CCGS *W.E. Ricker* Gulf of Alaska Salmon Survey, February 14-26, 2003

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V9T 6N7

2004

Canadian Data Report of Fisheries and Aquatic Sciences 1139

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104-05578/

Canadian Data Report of
Fisheries and Aquatic Sciences 1139

2004

CCGS W.E. RICKER GULF OF ALASKA SALMON SURVEY, FEBRUARY 14-26, 2003

by

D. W. Welch, J. F. T. Morris, M. E. Thiess, M. Trudel, A. R. Ladouceur,
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Cat. No. Fs 97-13/1139E ISSN 0706-6465

Correct citation for this publication:

Welch, D. W., J. F. T. Morris, M. E. Thiess, M. Trudel, A. R. Ladouceur, T. B. Zubkowski, M. C. Jacobs, P. M. Winchell, and H.R. MacLean. 2004. *CCGS W.E. Ricker* Gulf of Alaska Salmon Survey, February 14-26, 2003. Can. Data Rep. Fish. Aquat. Sci. 1139: 65 p.

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ABSTRACT

Welch, D. W., J. F. T. Morris, M. E. Thiess, M. Trudel, A. R. Ladouceur, T. B. Zubkowski, M. C. Jacobs, P. M. Winchell, and H.R. MacLean. 2004. *CCGS W.E. Ricker* Gulf of Alaska Salmon Survey, February 14-26, 2003. Can. Data Rep. Fish. Aquat. Sci. 1139: 65 p.

The Highseas Salmon program of Fisheries and Oceans Canada conducted a survey of Pacific salmon in the Gulf of Alaska during February 14-26, 2003. The objectives of the surveys were to (1) evaluate the distribution and ecology of juvenile Pacific salmon (*Oncorhynchus spp.*) during their first year in the ocean, (2) describe the ambient oceanographic conditions, and (3) quantify the biomass of zooplankton, an important prey for Pacific salmon at sea. Fish, oceanographic, and zooplankton sampling was conducted at stations spanning the area from Barkley Sound on the west coast of Vancouver Island in southern British Columbia (48.8° N) to the southern end of Chatham Strait in Southeast Alaska (56.7 ° N).

Unfortunately, the *CCGS W. E. Ricker*'s diesel engine broke down on February 26 forcing the cancellation of the remainder of the survey. We were unable then to carry out the plan to conduct more extensive sampling along the inside passageways in Southeast Alaska.

A total of 1113 Pacific salmon were caught on the survey. Of these, 380 were juvenile pink (*O. gorbuscha*) (age 0.1), 465 were juvenile chum (*O. keta*) (age 0.1), 39 were juvenile sockeye (*O. nerka*) (age X.1), and 70 were juvenile coho salmon (*O. kisutch*) (age X.1) in their first winter in the ocean, and 155 were chinook salmon (*O. tshawytscha*) under 300 mm in fork length.

Juvenile pink, chum, and sockeye were caught on the shelf on the west coast of Vancouver Island, and along McIntyre Bay in Dixon Entrance. All the juvenile sockeye caught in Dixon Entrance were Fraser River stocks based on a subsequent analysis of genetic markers. Juvenile coho were caught primarily on the shelf and within the inlets on the west coast of Vancouver Island. One juvenile coho was caught in Dixon Entrance, which was the only one caught north of Vancouver Island on four end-of-winter surveys conducted by the Highseas Salmon program since year 2000. Juvenile chinook under 300 mm in fork length were caught primarily on the shelf and within the inlets on the west coast of Vancouver Island.

RESUME

Welch, D. W., J. F. T. Morris, M. E. Thiess, M. Trudel, A. R. Ladouceur, T. B. Zubkowski, M. C. Jacobs, P. M. Winchell, and H.R. MacLean. 2004. *CCGS W.E. Ricker* Gulf of Alaska Salmon Survey, February 14-26, 2003. Can. Data Rep. Fish. Aquat. Sci. 1139: 65 p.

Le programme canadien des Saumons en Haute Mer de Pêches de Océans Canada a réalisé une étude sur les saumons du Pacifique dans le Golfe de l'Alaska du 14 au 26 février 2003. Les objectifs de cette étude était de (1) évaluer la distribution et l'écologie des saumons du Pacifique (*Oncorhynchus* spp.) juvéniles durant leur première année en mer, (2) décrire les conditions océanographiques ambiantes, et (3) quantifier la biomasse de zooplancton, une proie importante des saumons du Pacifique dans l'océan. Nous avons mesuré les conditions océanographiques et échantillonné le zooplancton et les poissons à des stations situées entre la côte ouest de l'Île de Vancouver (48.8°N) et la partie sud du Détroit Chatham dans le Sud-Est de l'Alaska (56.7°N).

Malheureusement, le moteur diesel du *CCGS W. E. Ricker* a brisé le 26 février, ce qui a forcé l'annulation du reste de l'étude. Nous n'avons pas été en mesure de couvrir les corridors intérieurs localisés dans le Sud-Est de l'Alaska comme il avait été prévu dans le plan initial de notre campagne d'échantillonnage.

Un total de 1113 saumons du Pacifique ont été capturés durant cette étude. De ces poissons, 380 étaient des saumons juvéniles roses (*O. gotbuscha*) (âge 0.1), 465 étaient des saumons juvéniles kétas (*O. keta*) (âge 0.1), 39 étaient des saumons juvéniles rouges (*O. nerka*) (âge X.1), et 70 étaient des saumons juvéniles cohos (*O. kisutch*) (âge X.1) durant leur première année en mer et 155 saumons quinnats (*O. tshawytscha*) ayant une longueur à la fourche inférieure à 300 mm.

Les saumons juvéniles roses, kétas et rouges ont été capturés sur le plateau continental de la côte ouest de l'Île de Vancouver, et le long de la baie McIntyre dans le Détroit de Dixon. Les analyses génétiques ont révélé que tous les saumons rouges capturés dans le Détroit de Dixon provenaient du fleuve Fraser. Les saumons cohos ont été capturés principalement sur le plateau continental et dans les fjords de la côte ouest de l'Île de Vancouver. Un seul coho juvénile a été capturé dans le Détroit de Dixon. Par ailleurs, c'est le seul coho juvénile que nous avons capturé durant l'hiver au nord de l'Île de Vancouver au cours de 4 campagne d'échantillonnage réalisée par le programme canadien des Saumons en Haute Mer depuis l'an 2000. Les saumons quinnats ayant une longueur à la fourche inférieure à 300 mm ont été capturés principalement sur le plateau continental et dans les fjords de la côte ouest de l'Île de Vancouver.

INTRODUCTION

The Highseas Program of Fisheries and Oceans Canada has conducted annual Pacific salmon surveys in the Gulf of Alaska since 1995 [1-18]. The main objectives of these surveys were to collect information on (1) the distribution and ecology of Pacific salmon (*Oncorhynchus spp.*) during their ocean phase, (2) the ambient oceanographic conditions, and (3) the distribution and biomass of zooplankton.

This report documents the data collected for the survey completed during February 14-26, 2003. The survey design comprised fish, oceanographic and zooplankton sampling along transects spanning the area from the west coast of Vancouver Island to Southeast Alaska.

MATERIALS AND METHODS

General Survey Information

Figures 1, 2, and 3 show the fishing, oceanographic and zooplankton stations, respectively, completed by the *CCGS W.E. Ricker* during the February 14-26, 2003 survey. A total of 75 fishing stations, 74 oceanographic stations, and 76 zooplankton stations were completed.

The survey conducted scientific operations off the west coast of Vancouver Island, in Queen Charlotte Sound, in Hecate Strait, in Dixon Entrance, along the the southern end of Chatham Strait in Southeast Alaska, and on the shelf off Southeast Alaska. Three cross-shelf transects were completed: one off Estevan Point on the west coast of Vancouver Island, a second starting from a position withing the Sea Otter Group in Queen Charlotte Sound and running through Triangle Island to the offshore; and a third off Forrester Island in Southeast Alaska.

Unfortunately, the *CCGS W. E. Ricker*'s diesel engine broke down on February 26 forcing the cancellation of the remainder of the survey. We were unable then to carry out the plan to conduct more extensive sampling along the inside passageways in Southeast Alaska.

Fishing Gear and Fishing Operations

The survey was conducted on the *CCGS W.E. Ricker*, a stern trawler 58 m in length which is powered by a 2,500 H.P. model AH 40 Akasaka diesel engine.

The *CCGS W.E. Ricker* towed a mid-water trawl, originally manufactured by Cantrawl Nets Ltd., Richmond, BC, and later modified to a model 240 trawl by the fishing crew. The trawl has a heavy-duty front end of hexagonal web made from 3/8 in. (9.5 mm) and 5/16 in. (7.9 mm) Tenex rope, and a tapered body made-up of 64 in. (163 cm), 32 in. (81.3 cm), 16 in. (40.6 cm), 8 in. (20.3 cm) and 4 in. (10.2 cm) polypropylene

sections, an intermediate section of 3 in. (7.6 cm) polypropylene, and a codend of 1.5 in. (3.8 cm) knotted nylon lined with 0.25 in. mesh (64 mm). The trawl has three 40 m bridles of 5/8 in. (1.6 cm) wire rope per side that are attached with a single hook-up to 5 m Jet doors. Typically, 100-150 m of 1.25 in. (3.2 cm) warp was paid out to tow the trawl at the surface.

The *CCGS W.E. Ricker* was able to tow the trawl at the surface at 5 knots (2.6 m s^{-1}) in good sea conditions, and this typically achieved a mouth opening of approximately 28 m wide by 16 m deep as measured acoustically by a Scanmar trawl eye mounted on the headrope. In rough weather, the trawl was towed at headrope depths down to 15 m.

Oceanographic Sampling

At oceanographic stations, the scientific crew (1) conducted CTD (conductivity-temperature-depth) casts, (2) collected surface seawater samples with a Niskin bottle for nitrate, phosphate, silicate, and salinity, and (3) filtered surface seawater on GF/F glass fibre filter disks for chlorophyll *a*.

Unfortunately, no chlorophlyll samples were collected along the Forrester Island transect due to an insufficient supply of glass fibre disks (Table 3).

Nitrate, phosphate, and silicate samples were collected in acid-washed glass test tubes, and the glass fiber disks were folded and placed in polypropylene scintillation vials. All samples were stored frozen.

CTD casts were conducted to 250 m or within 5 m of the bottom with a Seabird SBE 19e probe. Several calibration samples from selected CTD casts were collected over the course of the survey with Niskin bottles at depths where the salinities were stable.

Zooplankton Sampling

Vertical bongo tows to approximately 150 m or within 10 m of the bottom were conducted with two 57 cm diameter, 253 µm Nitex nets. One of the nets was equipped with a flowmeter.

Zooplankton collected from the net with the flowmeter were preserved in 10% formalin and sent to the zooplankton laboratory at the Institute of Ocean Sciences, Fisheries and Oceans Canada (Sidney, BC) for species classification and enumeration. Zooplankton taken from the net without flowmeter were sorted into four size fractions by successively sieving through 8.0, 1.7, 1.0, and 0.25 mm screens. Each size fraction was weighed wet, dried at 60°C for 48 hours, re-weighed, and stored in plastic bags for future stable isotope, bomb calorimetry, and proximate analyses.

RESULTS

Salmon Catch Data

Table 1 reports information on trawl tows and a summary of Pacific salmon catches for this survey. Tow information includes: station ID, transect name, sampling region, date and time, start latitude (°N) and longitude (°W), heading (°T; degrees true), and bottom depth (m). Station ID numbers consisted of the Pacific Biological Station cruise designation ("HS200304" for, where HS stands for High Seas), followed by a tow number (e.g., "HS200304-IVI01" for tow #1 within the inlets on the west coast of Vancouver Island, British Columbia. The inlet in this case was Barkley Sound. The station ID number serves as the primary key in the High Seas salmon database that links fishing tow information with the oceanographic and zooplankton tables.

For each tow, catch totals are provided for all chinook salmon (*O. tshawytscha*) ("CK") that includes all ages and size classes, and separately for juveniles and adults of chum salmon (*O. keta*) ("CM"), coho salmon (*O. kisutch*) ("CO"), pink salmon (*O. gorbuscha*) ("PK"), and sockeye salmon (*O. nerka*) ("SE"). In this report, "juveniles" are defined as fish in their first winter in the ocean (age X.1), while "adults" include all older age groups (age X.2+ or older). Age separation was determined based on examination of size distributions (fork length) which showed non-overlapping size modes for chum, coho, pink, and sockeye salmon. Chinook salmon were not divided into juveniles and adults based on size since there is considerable overlap among size modes that represent the multiple age groups.

The abbreviations for the regions in Tables 1, 3, and 4, and the CWT recovery regions in Table 5 are:

ISEA	Inside channels of Southeast Alaska
SEA	Southeast Alaska
DE	Dixon Entrance
HS	Hecate Strait
QCSD	Queen Charlotte Sound
VI	west coast Vancouver Island
IVI	inlets on the west coast of Vancouver Island

Biological Data

Table 2 reports the detailed biological data collected from each Pacific salmon caught during the survey. Individual salmon were assigned a fish number which consisted of the cruise identifier (e.g., "HS200304"), followed hierarchically by tow number, species code, and sample number. For example, "HS200304-DE01-124-001" refers to tow number DE01 or tow #1 in Dixon Entrance, species code "124" for chinook salmon, and the sample number "001" (within tow and species). We used the following

codes from Fisheries and Oceans' Salmon Stock Assessment database: 108, pink salmon; 112, chum salmon; 115, coho salmon; 118, sockeye salmon; and 124, chinook salmon.

Biological data collected for each salmon includes (when available): species common name, fork length (mm), whole body weight (g wet), sex, stomach content weight (g wet), % water (based on the ratio of dry to wet whole body weight), coded wire tag number (CWT; if present), pit tag number (if present), and observed fin clip (if present).

Catch Distributions

Juvenile pink (age 0.1) and chum were caught within the range of 1-100 fish per tow both on the shelf and offshore beyond the 1000m isobath on the west coast of Vancouver Island, and within the range of 100-1000 fish per tow along McIntyre Bay in Dixon Entrance (Figures 4 and 5). Four juvenile chum were caught in one tow in Quatsino Sound.

Juvenile sockeye (age X.1) were caught within the range of 1-100 fish per tow on the shelf on the west coast of Vancouver Island and in Dixon Entrance (Figure 7). All the juvenile sockeye caught in Dixon Entrance were Fraser River stocks based on a subsequent analysis of genetic markers (unpublished data).

Juvenile coho (age X.1) were caught within the range of 1-100 fish per tow on the shelf and with the inlets on the west coast of Vancouver Island. One juvenile coho was caught along McIntyre Bay in Dixon Entrance, which was the first one caught north of Vancouver Island on four end-of-year surveys by the Highseas Salmon program since year 2000 (Figure 9).

One adult chum (age 0.2 and older) was caught on the shelf on the transect off Estevan Point on the west coast of Vancouver Island (Figure 6).

No adult sockeye (age X.2 and older) were caught on the survey (Figure 8).

No juvenile chinook less than 100 mm were caught on this survey (Figure 10).

Juvenile chinook from 100 to 199mm in fork length were caught within the range of 1 to 100 fish per tow only on the shelf and within the inlets on the west coast of Vancouver Island (Figure 11).

Juvenile chinook from 200 to 299mm in fork length were caught within the range of 1 to 100 fish per tow primarily on the shelf and within the inlets on the west coast of Vancouver Island. Two of these juvenile chinook were caught on one tow in McIntyre Bay in Dixon Entrance (Figure 12).

No juvenile chinook from 300 to 399 mm in fork length were caught on this survey (Figures 13 and 14).

Three chinook greater than 400 mm in fork length in total were caught in Barkley Sound on the west coast of Vancouver Island, and on the Triangle Island transect in Queen Charlotte Sound (Figures 15 and 16).

Size Comparisons of Juvenile Salmon Among Regions

Figure 20 shows the fork length frequencies for coho and chinook salmon caught on the cruise.

Juvenile coho (age X.1) averaged 317 mm in fork length, and ranged from 266 to 386 mm on the shelf and within the inlets off the west coast of Vancouver Island. The one juvenile coho caught in Dixon Entrance was 330 mm.

Juvenile pink (age 0.1) were significantly greater in size in Dixon Entrance than off the westcoast of Vancouver Island ($t=5.9$, $p<0.001$). Juvenile pink averaged 272 mm off the west coast of Vancouver Island and 283 mm in Dixon Entrance.

Juvenile chum (age 0.1) averaged 246mm and ranged from 205 to 293mm for combined catches on the west coast of Vancouver Island and Dixon Entrance. There was no significant difference in size between the two regions.

Juvenile sockeye (age X.1) were significantly greater in size in Dixon Entrance than off the westcoast of Vancouver Island ($t=17.8$, $p<0.001$). Juvenile sockeye averaged 193 mm off the west coast of Vancouver Island and 244 mm in Dixon Entrance.

Juvenile chinook under 400 mm representing a mixed age group population averaged 252 mm in fork length and ranged from 178 to 285 mm off the westcoast of Vancouver Island. The two chinook that were caught in Dixon Entrance were 275 and 286 mm. Due to the considerable overlap among size modes that represent multiple age groups and the fact that that only two chinook were caught north of Vancouver Island, it was not possible to make a north to south regional comparison of sizes of juvenile chinook for specific ocean age classes.

CWT Recoveries

Table 5 reports the details on the coded wire tag (CWT) salmon caught during the survey. Reported information includes: the coded wire tag number, the assigned fish number, species common name, the date and region of recovery, the fork length (mm) at capture, the release area, the name of the agency and hatchery that released the tagged fish, the brood year, and dates of first and second hatchery releases.

The abbreviations for release agencies in Table 5 are:

CDFO Canadian Department of Fisheries and Oceans

The abbreviations for release areas in Table 5 are:

COBC central coast BC
WCVI west coast Vancouver Island, BC

On this survey, 4 CWT chinook were recovered. All four were age 0.1, ocean-type chinook. The three CWT chinook that were recovered on the shelf and within the inlets on the west coast of Vancouver Island were released from west coast Vancouver Island hatcheries in the spring of 2002. The CWT chinook that was recovered in Dixon Entrance was released from the Snootli Creek hatchery on the central coast of BC. The CWT chinook ranged from 227 to 286mm in fork length.

Oceanographic Data

Table 3 reports the physical oceanographic data collected during the survey, including the station ID number, transect, region, the date and time in UTC, the latitude (°N) and longitude (°W), sea surface temperature (SST; °C), and salinity (SSS; ppt) taken from the CTD files, sea surface salinities (ppt) determined from the sample bottles that were used to calibrate the CTD probe, nitrate, silicate and phosphate concentrations ($\mu mol\ L^{-1}$), and chlorophyll *a* ($\mu g\ L^{-1}$).

The CTD files are available through the website of the Canadian Department of Fisheries and Oceans, Ocean Science and Productivity division (OSAP) at:

http://www-sci.pac.dfo-mpo.gc.ca/osap/data/default_e.htm

Zooplankton Data

Table 4 reports the zooplankton data by station collected by the Bongo tows, including the station ID number, transect, region, latitude (°N) and longitude (°W), bottom depth (m), the date and time, target depth (m), tow duration, wire angle (degrees), and volume of ocean water sampled in cubic meters that is calculated from the flow meter readings. Also shown are the dry weights (g) of zooplankton which were standardised to 1,000 cubic meters sampled for the 8.0, 1.7, 1.0, and 0.25 mm size factions as well as for the total sample.

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Table 1. Tow positions and catch summaries of Pacific salmon for the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Station ID	Station Name	Region	Date	Time	Latitude (°N)	Longitude (°W)	Heading (°T)	SOG (kts)	Bottom Depth (m)	CK all	CM Juv	CM ad.	CO Juv	CO Ad.	PK Juv	PK Ad.	SE Juv	SE Ad.
HS200304IVI01	TREVOR CH	IVI	14-Feb-03	14:25	48.847	125.149	43	5.38	98	0	0	0	8	0	0	0	0	0
HS200304IVI03	TREVOR CH	IVI	14-Feb-03	16:08	48.920	125.049	35	5.16	153	0	0	0	1	0	0	0	0	0
HS200304IVI04	IMPERIAL EAGLE CH	IVI	14-Feb-03	18:16	48.914	125.205	216	5.93	93	25	0	0	0	0	0	0	0	0
HS200304EP01	ESTEVAN PT	VI	15-Feb-03	07:55	49.330	126.578	254	5.36	74	8	0	0	1	0	0	0	0	0
HS200304EP02	ESTEVAN PT	VI	15-Feb-03	09:51	49.309	126.658	229	4.91	99	0	2	0	0	0	0	0	0	0
HS200304EP03	ESTEVAN PT	VI	15-Feb-03	11:24	49.267	126.730	308	4.87	100	0	0	1	0	0	4	0	0	0
HS200304EP04	ESTEVAN PT	VI	15-Feb-03	13:38	49.201	126.728	199	5.58	120	0	18	0	2	0	93	0	0	0
HS200304EP05	ESTEVAN PT	VI	15-Feb-03	15:28	49.190	126.853	229	5.44	145	0	0	0	0	0	0	0	0	0
HS200304EP06	ESTEVAN PT	VI	15-Feb-03	17:51	49.154	126.903	273	6.06	190	0	0	0	0	0	0	0	0	0
HS200304EP12	ESTEVAN PT	VI	16-Feb-03	07:55	48.515	128.160	44	4.49	2579	0	0	0	0	0	0	0	0	0
HS200304EP11	ESTEVAN PT	VI	16-Feb-03	11:14	48.743	127.797	49	7.33	2572	0	0	0	0	0	0	0	0	0
HS200304EP10	ESTEVAN PT	VI	16-Feb-03	13:00	48.867	127.676	58	7.26	2540	0	0	0	0	0	0	0	0	0
HS200304EP09	ESTEVAN PT	VI	16-Feb-03	14:42	48.912	127.397	61	4.5	2180	0	0	0	0	0	0	0	0	0
HS200304EP08	ESTEVAN PT	VI	16-Feb-03	16:45	49.033	127.147	47	4.55	1582	0	0	0	0	0	0	0	0	0
HS200304EP07	ESTEVAN PT	VI	16-Feb-03	18:31	49.139	126.973	50	3.71	385	0	0	0	1	0	0	0	0	0
HS200304IVI05	ESPERANZA INLET	IVI	17-Feb-03	13:55	49.802	126.804	216	5.32	229	0	0	0	0	0	0	0	0	0
HS200304IVI06	ESPERANZA INLET	IVI	17-Feb-03	15:30	49.873	126.919	170	4.39	235	0	0	0	0	0	0	0	0	0
HS200304IVI07	ESPERANZA INLET	IVI	17-Feb-03	17:59	49.775	127.132	254	5.32	43	3	0	0	0	0	0	0	0	0
HS200304VI01	OFF_KYUQUOT	VI	18-Feb-03	07:56	49.914	127.561	75	3.83	57	1	1	0	0	0	0	0	13	0
HS200304VI02	OFF_KYUQUOT	VI	18-Feb-03	09:26	49.924	127.424	81	4.69	60	2	0	0	3	0	0	0	0	0
HS200304IVI08	KYUQUOT CH	VI	18-Feb-03	10:49	49.941	127.301	47	5.28	77	6	0	0	3	0	0	0	0	0
HS200304IVI09	KYUQUOT CH	IVI	18-Feb-03	12:39	49.976	127.256	51	4.97	123	0	0	0	0	0	0	0	0	0
HS200304IVI10	KYUQUOT CH	IVI	18-Feb-03	13:54	50.005	127.186	244	6.01	148	2	0	0	0	0	0	0	0	0
HS200304IVI11	KYUQUOT CH	IVI	18-Feb-03	15:28	50.067	127.254	3	5.53	157	0	0	0	0	0	0	0	0	0
HS200304IVI12	KYUQUOT CH	IVI	18-Feb-03	17:35	50.083	127.171	233	5.98	198	0	0	0	0	0	0	0	0	0
HS200304IVI13	QUATSINO SD	IVI	19-Feb-03	07:38	50.514	127.690	225	5.8	111	68	4	0	15	0	0	0	0	0
HS200304IVI14	QUATSINO SD	IVI	19-Feb-03	08:48	50.501	127.742	251	5.97	109	16	0	0	5	0	0	0	0	0
HS200304IVI15	QUATSINO SD	IVI	19-Feb-03	09:59	50.478	127.809	279	4.79	97	18	0	0	17	0	0	0	0	0
HS200304IVI16	QUATSINO SD	IVI	19-Feb-03	12:12	50.471	127.902	267	5.36	207	5	0	0	11	0	0	0	0	0
HS200304VI03	OFF QUATSINO	VI	19-Feb-03	13:57	50.405	128.031	234	4.53	93	1	5	0	2	0	2	0	0	0

Table 1. Tow positions and catch summaries of Pacific salmon for the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Station ID	Station Name	Region	Date	Time	Latitude (°N)	Longitude (°W)	Heading (°T)	SOG (kts)	Bottom Depth (m)	CK all	CM Juv	CM ad.	CO Juv	CO Ad.	PK Juv	PK Ad.	SE Juv	SE Ad.
HS200304VI04	OFF QUATSINO	VI	19-Feb-03	15:22	50.389	128.180	278	4.95	125	0	8	0	0	0	13	0	6	0
HS200304VI05	OFF QUATSINO	VI	19-Feb-03	16:50	50.390	128.279	270	7.35	172	0	2	0	0	0	9	0	0	0
HS200304T01	TRIANGLE IS	QCSD	20-Feb-03	09:54	51.246	128.242	227	4.66	46	0	0	0	0	0	0	0	0	0
HS200304T02	TRIANGLE IS	QCSD	20-Feb-03	11:41	51.203	128.354	236	3.89	149	1	0	0	0	0	0	0	0	0
HS200304T03	TRIANGLE IS	QCSD	20-Feb-03	13:42	51.118	128.493	231	3.47	150	0	0	0	0	0	0	0	0	0
HS200304T04	TRIANGLE IS	QCSD	20-Feb-03	16:00	51.009	128.757	232	5.66	69	0	0	0	0	0	0	0	0	0
HS200304T05	TRIANGLE IS	QCSD	20-Feb-03	18:04	50.910	128.963	259	5.63	65	0	0	0	0	0	0	0	0	0
HS200304T12	TRIANGLE IS	VI	21-Feb-03	07:46	50.347	130.221	52	5.84	2121	0	0	0	0	0	0	0	0	0
HS200304T11	TRIANGLE IS	VI	21-Feb-03	10:04	50.440	130.002	49	5.87	2004	0	14	0	0	0	3	0	0	0
HS200304T10	TRIANGLE IS	VI	21-Feb-03	11:47	50.512	129.842	51	5.18	2065	0	31	0	0	0	94	0	0	0
HS200304T09	TRIANGLE IS	VI	21-Feb-03	13:31	50.594	129.712	52	5.43	2040	0	0	0	0	0	0	0	0	0
HS200304T08	TRIANGLE IS	VI	21-Feb-03	15:17	50.669	129.512	59	5.53	1938	0	0	0	0	0	0	0	0	0
HS200304T07	TRIANGLE IS	VI	21-Feb-03	17:07	50.745	129.343	99	4.77	980	0	0	0	0	0	0	0	0	0
HS200304T06	TRIANGLE IS	QCSD	21-Feb-03	18:16	50.817	129.220	49	4.41	100	0	0	0	0	0	0	0	0	0
HS200304HS01	HECATE ST	HS	22-Feb-03	07:54	52.498	129.828	308	5.09	210	0	0	0	0	0	0	0	0	0
HS200304HS02	HECATE ST	HS	22-Feb-03	09:34	52.568	129.981	310	5.61	256	0	0	0	0	0	0	0	0	0
HS200304HS03	HECATE ST	HS	22-Feb-03	11:11	52.630	130.159	295	5.46	239	0	0	0	0	0	0	0	0	0
HS200304HS04	HECATE ST	HS	22-Feb-03	12:59	52.687	130.338	307	5.95	188	0	0	0	0	0	0	0	0	0
HS200304HS05	HECATE ST	HS	22-Feb-03	14:24	52.739	130.484	300	5.78	146	0	0	0	0	0	0	0	0	0
HS200304HS06	HECATE ST	HS	22-Feb-03	15:46	52.786	130.622	295	5.67	146	0	0	0	0	0	0	0	0	0
HS200304HS07	HECATE ST	HS	22-Feb-03	18:00	52.849	130.815	36	5.19	100	0	0	0	0	0	0	0	0	0
HS200304DE01	McINTYRE BAY	DE	23-Feb-03	07:33	54.176	131.824	262	5.46	68	2	26	0	1	0	9	0	5	0
HS200304DE02	McINTYRE BAY	DE	23-Feb-03	09:05	54.176	132.028	286	6	78	0	64	0	0	0	116	0	12	0
HS200304DE03	WIAH PT - 5 NM NE	DE	23-Feb-03	10:30	54.171	132.173	232	5.02	58	0	283	0	0	0	15	0	3	0
HS200304DE04	WIAH PT	DE	23-Feb-03	12:10	54.148	132.308	286	5.48	70	0	0	0	0	0	0	0	0	0
HS200304DE05	KLASHWUN PT	DE	23-Feb-03	13:33	54.166	132.519	292	5.15	63	0	5	0	0	0	0	0	0	0
HS200304DE06	LANGARA IS	DE	23-Feb-03	14:50	54.226	132.606	342	5.05	122	0	1	0	0	0	1	0	0	0
HS200304DE07	LANGARA IS	DE	23-Feb-03	16:11	54.268	132.690	284	6.06	254	0	1	0	0	0	19	0	0	0
HS200304FI01	FORRESTER IS	SEA	24-Feb-03	07:42	54.807	133.098	254	5.62	135	0	0	0	0	0	0	0	0	0
HS200304FI02	FORRESTER IS	SEA	24-Feb-03	09:29	54.788	133.204	264	5.5	205	0	0	0	0	0	0	0	0	0

Table 1. Tow positions and catch summaries of Pacific salmon for the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Station ID	Station Name	Region	Date	Time	Latitude (°N)	Longitude (°W)	Heading (°T)	SOG (kts)	Bottom Depth (m)	CK all	CM Juv	CM ad.	CO Juv	CO Ad.	PK Juv	PK Ad.	SE Juv	SE Ad.
HS200304FI03	FORRESTER IS	SEA	24-Feb-03	11:00	54.776	133.319	251	5.07	126	0	0	0	0	0	0	0	0	0
HS200304FI04	FORRESTER IS	SEA	24-Feb-03	12:42	54.765	133.452	85	5.08	131	0	0	0	0	0	0	0	0	0
HS200304FI05	FORRESTER IS	SEA	24-Feb-03	14:58	54.744	133.603	264	4.94	187	0	0	0	0	0	0	0	0	0
HS200304FI06	FORRESTER IS	SEA	24-Feb-03	16:49	54.730	133.746	267	5.14	188	0	0	0	0	0	0	0	0	0
HS200304FI07	FORRESTER IS	SEA	24-Feb-03	18:34	54.719	133.853	267	5	221	0	0	0	0	0	0	0	0	0
HS200304FI13	FORRESTER IS	SEA	25-Feb-03	07:43	54.584	135.091	82	5.48	2768	0	0	0	0	0	0	0	0	0
HS200304FI12	FORRESTER IS	SEA	25-Feb-03	09:45	54.616	134.840	98	5.47	2590	0	0	0	0	0	0	0	0	0
HS200304FI11	FORRESTER IS	SEA	25-Feb-03	11:24	54.636	134.591	74	5.34	2396	0	0	0	0	0	0	0	0	0
HS200304FI10	FORRESTER IS	SEA	25-Feb-03	13:05	54.659	134.341	74	5.2	2141	0	0	0	0	0	0	0	0	0
HS200304FI09	FORRESTER IS	SEA	25-Feb-03	14:41	54.690	134.147	87	4.45	257	0	0	0	0	0	2	0	0	0
HS200304FI08	FORRESTER IS	SEA	25-Feb-03	15:58	54.704	134.017	87	4.72	209	0	0	0	0	0	0	0	0	0
HS200304ISEA01	CHATHAM ST	ISEA	26-Feb-03	07:38	56.282	134.506	8	5.7	670	0	0	0	0	0	0	0	0	0
HS200304ISEA02	CHATHAM ST	ISEA	26-Feb-03	09:23	56.442	134.502	8	5.21	700	0	0	0	0	0	0	0	0	0
HS200304ISEA03	CHATHAM ST	ISEA	26-Feb-03	10:58	56.567	134.512	6	5.32	660	0	0	0	0	0	0	0	0	0
HS200304ISEA04	CHATHAM ST	ISEA	26-Feb-03	12:51	56.707	134.524	342	1.58	696	0	0	0	0	0	0	0	0	0
									Totals	158	465	1	70	0	380	0	39	0
															Overall total			1113

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200304-DE01-124-001	CHINOOK	286	266	F	0.7	0.1	T184654	AD
HS200304-DE01-124-002	CHINOOK	275	244	M	1.1			
HS200304-EP01-124-001	CHINOOK	241	153	F	1.1			
HS200304-EP01-124-002	CHINOOK	235	135					
HS200304-EP01-124-003	CHINOOK	235	155	M	1.06			
HS200304-EP01-124-004	CHINOOK	226	109					
HS200304-EP01-124-005	CHINOOK	184	73	M	0.45			
HS200304-EP01-124-006	CHINOOK	220	128	F	0.66			
HS200304-EP01-124-007	CHINOOK	216	115	M	0.48			
HS200304-EP01-124-008	CHINOOK	267	192					
HS200304-IVI04-124-001	CHINOOK	237	144	M	2.17			
HS200304-IVI04-124-002	CHINOOK	225	134	F	3.05			
HS200304-IVI04-124-003	CHINOOK	206	98	M	0.6			
HS200304-IVI04-124-004	CHINOOK	212	106	M	0.89			
HS200304-IVI04-124-005	CHINOOK	191	81	F	0.5			
HS200304-IVI04-124-006	CHINOOK	199	93	M	1.44			
HS200304-IVI04-124-007	CHINOOK	228	139	M	3.46	0.1	T184758	AD
HS200304-IVI04-124-008	CHINOOK	274	333	M	1.54			
HS200304-IVI04-124-009	CHINOOK	220	121	F	0.64			
HS200304-IVI04-124-010	CHINOOK	214	108	M	1.18			
HS200304-IVI04-124-011	CHINOOK	218	120	M	1.36			
HS200304-IVI04-124-012	CHINOOK	200	91	M	0.99			
HS200304-IVI04-124-013	CHINOOK	244	162	F	1.75			
HS200304-IVI04-124-014	CHINOOK	203	88	F	0.83			
HS200304-IVI04-124-015	CHINOOK	205	104	M	2.15			
HS200304-IVI04-124-016	CHINOOK	195	86	M	1.15			
HS200304-IVI04-124-017	CHINOOK	230	130	M	1.18			
HS200304-IVI04-124-018	CHINOOK	244	152	F	3.53			
HS200304-IVI04-124-019	CHINOOK	205	99	M	1.78			
HS200304-IVI04-124-020	CHINOOK	192	78	M	1.14			
HS200304-IVI04-124-021	CHINOOK	222	118	F	1.29			
HS200304-IVI04-124-022	CHINOOK	227	129	M	0.57			
HS200304-IVI04-124-023	CHINOOK	285	281	M	7.57			
HS200304-IVI04-124-024	CHINOOK	421	722	M				
HS200304-IVI04-124-025	CHINOOK	513	1492	F				
HS200304-IVI07-124-001	CHINOOK	181	67					
HS200304-IVI07-124-002	CHINOOK	255	175	F	2.46			
HS200304-IVI07-124-003	CHINOOK	215	114	F	1.76			
HS200304-IVI08-124-001	CHINOOK	248	177	M	2.87			

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin C
HS200304-IVI08-124-002	CHINOOK	254	201	M	2.09	0.1	T184751	AD
HS200304-IVI08-124-003	CHINOOK	259	212	F	1.36			
HS200304-IVI08-124-004	CHINOOK	252	177	F	0.73			
HS200304-IVI08-124-005	CHINOOK	243	162	M	2.46			
HS200304-IVI08-124-006	CHINOOK	232	138	F	1.03			
HS200304-IVI10-124-001	CHINOOK	217	122	F	2.68			
HS200304-IVI10-124-002	CHINOOK	252	185	F	3.66			
HS200304-IVI13-124-001	CHINOOK	236	139	M	0.46			
HS200304-IVI13-124-002	CHINOOK	233	157	M	0.75			
HS200304-IVI13-124-003	CHINOOK	224	134	M	0.42			
HS200304-IVI13-124-004	CHINOOK	215	116	M	0.35			
HS200304-IVI13-124-005	CHINOOK	197	97	M	0.21			
HS200304-IVI13-124-006	CHINOOK	218	112	M	0.41			
HS200304-IVI13-124-007	CHINOOK	198	88	M	0.32			
HS200304-IVI13-124-008	CHINOOK	227	133	M	0.54			
HS200304-IVI13-124-009	CHINOOK	251	180	M	0.99			
HS200304-IVI13-124-010	CHINOOK	229	132	M	0.42			
HS200304-IVI13-124-011	CHINOOK	220	126	M	0.95			
HS200304-IVI13-124-012	CHINOOK	238	161	M	0.43			
HS200304-IVI13-124-013	CHINOOK	215	120	M	0.38			
HS200304-IVI13-124-014	CHINOOK	220	121	M	0.31			
HS200304-IVI13-124-015	CHINOOK	263	95	M	0.27			
HS200304-IVI13-124-016	CHINOOK	204	106	M	0.5			
HS200304-IVI13-124-017	CHINOOK	228	135	M	0.5			
HS200304-IVI13-124-018	CHINOOK	205	99	M	0.5			
HS200304-IVI13-124-019	CHINOOK	210	112	F	0.48			
HS200304-IVI13-124-020	CHINOOK	209	102	M	0.17			
HS200304-IVI13-124-021	CHINOOK	228	141	F	0.26			
HS200304-IVI13-124-022	CHINOOK	221	121	U	0.31			
HS200304-IVI13-124-023	CHINOOK	222	137	U	0.4			
HS200304-IVI13-124-024	CHINOOK	205	100	M	0.24			
HS200304-IVI13-124-025	CHINOOK	232	160	M	0.36			
HS200304-IVI13-124-026	CHINOOK	268	200	M	0.57			
HS200304-IVI13-124-027	CHINOOK	257	177	U	0.74			
HS200304-IVI13-124-028	CHINOOK	242	150	U	0.43			
HS200304-IVI13-124-029	CHINOOK	256	187	M	0.88			
HS200304-IVI13-124-030	CHINOOK	193	85	U	0.12			
HS200304-IVI13-124-031	CHINOOK	216						
HS200304-IVI13-124-032	CHINOOK	234						

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200304-IVI13-124-033	CHINOOK	208						
HS200304-IVI13-124-034	CHINOOK	219						
HS200304-IVI13-124-035	CHINOOK	208						
HS200304-IVI13-124-036	CHINOOK	209						
HS200304-IVI13-124-037	CHINOOK	196						
HS200304-IVI13-124-038	CHINOOK	195						
HS200304-IVI13-124-039	CHINOOK	215						
HS200304-IVI13-124-040	CHINOOK	216						
HS200304-IVI13-124-041	CHINOOK	202						
HS200304-IVI13-124-042	CHINOOK	236						
HS200304-IVI13-124-043	CHINOOK	205						
HS200304-IVI13-124-044	CHINOOK	188						
HS200304-IVI13-124-045	CHINOOK	211						
HS200304-IVI13-124-046	CHINOOK	247						
HS200304-IVI13-124-047	CHINOOK	211						
HS200304-IVI13-124-048	CHINOOK	199						
HS200304-IVI13-124-049	CHINOOK	227						
HS200304-IVI13-124-050	CHINOOK	205						
HS200304-IVI13-124-051	CHINOOK	198						
HS200304-IVI13-124-052	CHINOOK	203						
HS200304-IVI13-124-053	CHINOOK	224						
HS200304-IVI13-124-054	CHINOOK	191						
HS200304-IVI13-124-055	CHINOOK	248						
HS200304-IVI13-124-056	CHINOOK	218						
HS200304-IVI13-124-057	CHINOOK	190						
HS200304-IVI13-124-058	CHINOOK	225						
HS200304-IVI13-124-059	CHINOOK	194						
HS200304-IVI13-124-060	CHINOOK	189						
HS200304-IVI13-124-061	CHINOOK	211						
HS200304-IVI13-124-062	CHINOOK	186						
HS200304-IVI13-124-063	CHINOOK	212						
HS200304-IVI13-124-064	CHINOOK	211						
HS200304-IVI13-124-065	CHINOOK	204						
HS200304-IVI13-124-066	CHINOOK	196						
HS200304-IVI13-124-067	CHINOOK	178						
HS200304-IVI13-124-068	CHINOOK	197						
HS200304-IVI14-124-001	CHINOOK	283	241					
HS200304-IVI14-124-002	CHINOOK	251	155	F	0.66			
HS200304-IVI14-124-003	CHINOOK	242	151					

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200304-IVI14-124-004	CHINOOK	232	128	M	0.62			
HS200304-IVI14-124-005	CHINOOK	251	173	M	1.09			
HS200304-IVI14-124-006	CHINOOK	245	167	M	0.72			
HS200304-IVI14-124-007	CHINOOK	206	93					
HS200304-IVI14-124-008	CHINOOK	237	147					
HS200304-IVI14-124-009	CHINOOK	242	154	F	1.35			
HS200304-IVI14-124-010	CHINOOK	227	134	F	1.59			
HS200304-IVI14-124-011	CHINOOK	218	124					
HS200304-IVI14-124-012	CHINOOK	204	92	F	0.92			
HS200304-IVI14-124-013	CHINOOK	238	142	F	1.17			
HS200304-IVI14-124-014	CHINOOK	220	115	F	1.16			
HS200304-IVI14-124-015	CHINOOK	232	120	M	0.97			
HS200304-IVI14-124-016	CHINOOK	229	134	M	0.78			
HS200304-IVI15-124-001	CHINOOK	234	133					
HS200304-IVI15-124-002	CHINOOK	246	158	F	0.66			
HS200304-IVI15-124-003	CHINOOK	220	118					
HS200304-IVI15-124-004	CHINOOK	227	137	M	0.99	0.1	T185012	AD
HS200304-IVI15-124-005	CHINOOK	213	111	M	0.64			
HS200304-IVI15-124-006	CHINOOK	246	157					
HS200304-IVI15-124-007	CHINOOK	234	137	F	0.73			
HS200304-IVI15-124-008	CHINOOK	227	127	M	0.83			
HS200304-IVI15-124-009	CHINOOK	217	110	F	0.66			
HS200304-IVI15-124-010	CHINOOK	226	126	F	0.83			
HS200304-IVI15-124-011	CHINOOK	251	173					
HS200304-IVI15-124-012	CHINOOK	214	103					
HS200304-IVI15-124-013	CHINOOK	216	115					
HS200304-IVI15-124-014	CHINOOK	222	111	M	0.99			
HS200304-IVI15-124-015	CHINOOK	202	90	M	0.75			
HS200304-IVI15-124-016	CHINOOK	234	126	M	1.18			
HS200304-IVI15-124-017	CHINOOK	206	93	F	0.84			
HS200304-IVI15-124-018	CHINOOK	185	72	F	0.38			
HS200304-IVI16-124-001	CHINOOK	236	140	M	0.72			
HS200304-IVI16-124-002	CHINOOK	250	157					
HS200304-IVI16-124-003	CHINOOK	209	98					
HS200304-IVI16-124-004	CHINOOK	231	142					
HS200304-IVI16-124-005	CHINOOK	196	75					
HS200304-T02-124-001	CHINOOK	1038	14440	M				
HS200304-VI01-124-001	CHINOOK	206	93	F	0.66			
HS200304-VI02-124-001	CHINOOK	244	168					AD

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200304-VI02-124-002	CHINOOK	249	183	F	1.69			
HS200304-VI03-124-001	CHINOOK	213	113	M	5.63			
HS200304-DE01-112-001	CHUM	264	171	F	1.73			
HS200304-DE01-112-002	CHUM	267	174	F	2.18			
HS200304-DE01-112-003	CHUM	245	145	F	2.7			
HS200304-DE01-112-004	CHUM	280	198	F	2.54			
HS200304-DE01-112-005	CHUM	237	133	F	1.38			
HS200304-DE01-112-006	CHUM	259	171	M	2.18			
HS200304-DE01-112-007	CHUM	241	141	F	3.3			
HS200304-DE01-112-008	CHUM	217	97	F	1.21			
HS200304-DE01-112-009	CHUM	247	142	F	0.9			
HS200304-DE01-112-010	CHUM	240	141	U	2.14			
HS200304-DE01-112-011	CHUM	253	150	F	2.28			
HS200304-DE01-112-012	CHUM	250	144	F	1.64			
HS200304-DE01-112-013	CHUM	253	154	M	0.92			
HS200304-DE01-112-014	CHUM	242	137	M	2.42			
HS200304-DE01-112-015	CHUM	255	156	F	1.42			
HS200304-DE01-112-016	CHUM	234						
HS200304-DE01-112-017	CHUM	235						
HS200304-DE01-112-018	CHUM	230						
HS200304-DE01-112-019	CHUM	255						
HS200304-DE01-112-020	CHUM	241						
HS200304-DE01-112-021	CHUM	232						
HS200304-DE01-112-022	CHUM	236						
HS200304-DE01-112-023	CHUM	239						
HS200304-DE01-112-024	CHUM	226						
HS200304-DE01-112-025	CHUM	226						
HS200304-DE01-112-026	CHUM	241						
HS200304-DE02-112-001	CHUM	257	163	M	1.72			
HS200304-DE02-112-002	CHUM	247	151	M	1.88			
HS200304-DE02-112-003	CHUM	260	191	M	3.43			
HS200304-DE02-112-004	CHUM	255	162	M	2.27			
HS200304-DE02-112-005	CHUM	266	212	M	1.19			
HS200304-DE02-112-006	CHUM	282	221	M	2.69			
HS200304-DE02-112-007	CHUM	250	153	U	1.1			
HS200304-DE02-112-008	CHUM	247	146	U	2.26			
HS200304-DE02-112-009	CHUM	274	204	M	2.19			
HS200304-DE02-112-010	CHUM	267	190	F	3.84			
HS200304-DE02-112-011	CHUM	247	156	M	2.19			

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200304-DE02-112-012	CHUM	234	130	M	3.38			
HS200304-DE02-112-013	CHUM	252	154	F	3.88			
HS200304-DE02-112-014	CHUM	262	188	F	4.45			
HS200304-DE02-112-015	CHUM	274	206	M	4.1			
HS200304-DE02-112-016	CHUM	231						
HS200304-DE02-112-017	CHUM	242						
HS200304-DE02-112-018	CHUM	236						
HS200304-DE02-112-019	CHUM	263						
HS200304-DE02-112-020	CHUM	278						
HS200304-DE02-112-021	CHUM	258						
HS200304-DE02-112-022	CHUM	267						
HS200304-DE02-112-023	CHUM	234						
HS200304-DE02-112-024	CHUM	235						
HS200304-DE02-112-025	CHUM	266						
HS200304-DE02-112-026	CHUM	243						
HS200304-DE02-112-027	CHUM	246						
HS200304-DE02-112-028	CHUM	253						
HS200304-DE02-112-029	CHUM	249						
HS200304-DE02-112-030	CHUM	246						
HS200304-DE02-112-031	CHUM	235						
HS200304-DE02-112-032	CHUM	252						
HS200304-DE02-112-033	CHUM	240						
HS200304-DE02-112-034	CHUM	245						
HS200304-DE02-112-035	CHUM	278						
HS200304-DE02-112-036	CHUM	246						
HS200304-DE02-112-037	CHUM	266						
HS200304-DE02-112-038	CHUM	266						
HS200304-DE02-112-039	CHUM	247						
HS200304-DE02-112-040	CHUM	251						
HS200304-DE02-112-041	CHUM	247						
HS200304-DE02-112-042	CHUM	232						
HS200304-DE02-112-043	CHUM	252						
HS200304-DE02-112-044	CHUM	250						
HS200304-DE02-112-045	CHUM	240						
HS200304-DE02-112-046	CHUM	256						
HS200304-DE02-112-047	CHUM	246						
HS200304-DE02-112-048	CHUM	252						
HS200304-DE02-112-049	CHUM	247						
HS200304-DE02-112-050	CHUM	240						

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200304-DE02-112-051	CHUM	221						
HS200304-DE02-112-052	CHUM	274						
HS200304-DE02-112-053	CHUM	293						
HS200304-DE02-112-054	CHUM	226						
HS200304-DE02-112-055	CHUM	250						
HS200304-DE02-112-056	CHUM	235						
HS200304-DE02-112-057	CHUM	255						
HS200304-DE02-112-058	CHUM	237						
HS200304-DE02-112-059	CHUM	238						
HS200304-DE02-112-060	CHUM	225						
HS200304-DE02-112-061	CHUM	241						
HS200304-DE02-112-062	CHUM	263						
HS200304-DE02-112-063	CHUM	253						
HS200304-DE02-112-064	CHUM	269						
HS200304-DE03-112-001	CHUM	233	136	F	7.8			
HS200304-DE03-112-002	CHUM	243	147	M	10.52			
HS200304-DE03-112-003	CHUM	244	144	M	3.2			
HS200304-DE03-112-004	CHUM	233	127	F	1.86			
HS200304-DE03-112-005	CHUM	255	154	F	5.07			
HS200304-DE03-112-006	CHUM	256	185	F	6.3			
HS200304-DE03-112-007	CHUM	230	113	F	2.39			
HS200304-DE03-112-008	CHUM	264	196	M	3.17			
HS200304-DE03-112-009	CHUM	239	141	M	5.39			
HS200304-DE03-112-010	CHUM	256	178	F	8.92			
HS200304-DE03-112-011	CHUM	217	106	M	1.87			
HS200304-DE03-112-012	CHUM	247	152	M	1.3			
HS200304-DE03-112-013	CHUM	262	163	M	1.4			
HS200304-DE03-112-014	CHUM	241	135	M	1.38			
HS200304-DE03-112-015	CHUM	234	130	M	2.86			
HS200304-DE03-112-016	CHUM	244						
HS200304-DE03-112-017	CHUM	268						
HS200304-DE03-112-018	CHUM	236						
HS200304-DE03-112-019	CHUM	253						
HS200304-DE03-112-020	CHUM	235						
HS200304-DE03-112-021	CHUM	231						
HS200304-DE03-112-022	CHUM	250						
HS200304-DE03-112-023	CHUM	226						
HS200304-DE03-112-024	CHUM	254						
HS200304-DE03-112-025	CHUM	234						

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200304-DE03-112-026	CHUM	233						
HS200304-DE03-112-027	CHUM	246						
HS200304-DE03-112-028	CHUM	235						
HS200304-DE03-112-029	CHUM	232						
HS200304-DE03-112-030	CHUM	256						
HS200304-DE03-112-031	CHUM	234						
HS200304-DE03-112-032	CHUM	252						
HS200304-DE03-112-033	CHUM	246						
HS200304-DE03-112-034	CHUM	250						
HS200304-DE03-112-035	CHUM	248						
HS200304-DE03-112-036	CHUM	236						
HS200304-DE03-112-037	CHUM	239						
HS200304-DE03-112-038	CHUM	240						
HS200304-DE03-112-039	CHUM	240						
HS200304-DE03-112-040	CHUM	240						
HS200304-DE03-112-041	CHUM	250						
HS200304-DE03-112-042	CHUM	250						
HS200304-DE03-112-043	CHUM	267						
HS200304-DE03-112-044	CHUM	241						
HS200304-DE03-112-045	CHUM	259						
HS200304-DE03-112-046	CHUM	237						
HS200304-DE03-112-047	CHUM	241						
HS200304-DE03-112-048	CHUM	232						
HS200304-DE03-112-049	CHUM	238						
HS200304-DE03-112-050	CHUM	235						
HS200304-DE03-112-051	CHUM	252						
HS200304-DE03-112-052	CHUM	245						
HS200304-DE03-112-053	CHUM	225						
HS200304-DE03-112-054	CHUM	236						
HS200304-DE03-112-055	CHUM	240						
HS200304-DE03-112-056	CHUM	223						
HS200304-DE03-112-057	CHUM	264						
HS200304-DE03-112-058	CHUM	255						
HS200304-DE03-112-059	CHUM	252						
HS200304-DE03-112-060	CHUM	219						
HS200304-DE03-112-061	CHUM	225						
HS200304-DE03-112-062	CHUM	238						
HS200304-DE03-112-063	CHUM	228						
HS200304-DE03-112-064	CHUM	264						

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200304-DE03-112-065	CHUM	236						
HS200304-DE05-112-001	CHUM	225	118	F	1.5			
HS200304-DE05-112-002	CHUM	236	127	M	1.68			
HS200304-DE05-112-003	CHUM	226	112	M	2			
HS200304-DE05-112-004	CHUM	228	126	F	2.05			
HS200304-DE05-112-005	CHUM	236	125	M	2.21			
HS200304-DE06-112-001	CHUM	262	178	F	6.3			
HS200304-DE07-112-001	CHUM	265	183	F	3.48			
HS200304-EP02-112-001	CHUM	265	193	M	3.23			
HS200304-EP02-112-002	CHUM	267	210	F	3.08			
HS200304-EP03-112-001	CHUM	688	3470	M				
HS200304-EP04-112-001	CHUM	231	145	M	4.28			
HS200304-EP04-112-002	CHUM	274	228	F	5.33			
HS200304-EP04-112-003	CHUM	266	208	F	6.11			
HS200304-EP04-112-004	CHUM	249	166	M	5.8			
HS200304-EP04-112-005	CHUM	267	206	M	4.58			
HS200304-EP04-112-006	CHUM	240	142	M	4.61			
HS200304-EP04-112-007	CHUM	263	193	F	4.47			
HS200304-EP04-112-008	CHUM	241	158	M	5.45			
HS200304-EP04-112-009	CHUM	266	211	F	5.96			
HS200304-EP04-112-010	CHUM	241	152	F	3.5			
HS200304-EP04-112-011	CHUM	254	181	F	7.04			
HS200304-EP04-112-012	CHUM	256	182	F	4.39			
HS200304-EP04-112-013	CHUM	235	152	F	4.94			
HS200304-EP04-112-014	CHUM	241	146	F	5.13			
HS200304-EP04-112-015	CHUM	251	184	M	3.6			
HS200304-EP04-112-016	CHUM	255						
HS200304-EP04-112-017	CHUM	230						
HS200304-EP04-112-018	CHUM	257						
HS200304-IVI13-112-001	CHUM	221	121	M	0.56			
HS200304-IVI13-112-002	CHUM	242	142	F	0.96			
HS200304-IVI13-112-003	CHUM	229	115	M	0.73			
HS200304-IVI13-112-004	CHUM	244	150	F	1.27			
HS200304-T10-112-001	CHUM	235	129	F	3.37			
HS200304-T10-112-002	CHUM	237	130	F	3.82			
HS200304-T10-112-003	CHUM	236	126	F	1.82			
HS200304-T10-112-004	CHUM	266	184	F	7.29			
HS200304-T10-112-005	CHUM	245	135	F	3.16			
HS200304-T10-112-006	CHUM	237	135	F	1.99			

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200304-T10-112-007	CHUM	259	168	M	6.19			
HS200304-T10-112-008	CHUM	257	203	M	5.34			
HS200304-T10-112-009	CHUM	256	181	F	5.18			
HS200304-T10-112-010	CHUM	247	146	M	7.36			
HS200304-T10-112-011	CHUM	261	176	M	7.45			
HS200304-T10-112-012	CHUM	245	139	F	2.7			
HS200304-T10-112-013	CHUM	239	126	F	4.35			
HS200304-T10-112-014	CHUM	251	167	M	6.32			
HS200304-T10-112-015	CHUM	234	135	F	4.64			
HS200304-T10-112-016	CHUM	215						
HS200304-T10-112-017	CHUM	235						
HS200304-T10-112-018	CHUM	258						
HS200304-T10-112-019	CHUM	217						
HS200304-T10-112-020	CHUM	240						
HS200304-T10-112-021	CHUM	225						
HS200304-T10-112-022	CHUM	237						
HS200304-T10-112-023	CHUM	232						
HS200304-T10-112-024	CHUM	254						
HS200304-T10-112-025	CHUM	234						
HS200304-T10-112-026	CHUM	246						
HS200304-T10-112-027	CHUM	257						
HS200304-T10-112-028	CHUM	251						
HS200304-T10-112-029	CHUM	268						
HS200304-T10-112-030	CHUM	241						
HS200304-T10-112-031	CHUM	232						
HS200304-T11-112-001	CHUM	268	180	U	1.79			
HS200304-T11-112-002	CHUM	264	185	U	2.68			
HS200304-T11-112-003	CHUM	246	144	U	2.29			
HS200304-T11-112-004	CHUM	258	156	U	0.94			
HS200304-T11-112-005	CHUM	257	167	U	3.31			
HS200304-T11-112-006	CHUM	265	192	F	4.83			
HS200304-T11-112-007	CHUM	230	115	U	1.72			
HS200304-T11-112-008	CHUM	251	155	U	1.04			
HS200304-T11-112-009	CHUM	224	111	U	0.58			
HS200304-T11-112-010	CHUM	253	152	F	4.32			
HS200304-T11-112-011	CHUM	253	157	U	2.1			
HS200304-T11-112-012	CHUM	245	137	M	1.35			
HS200304-T11-112-013	CHUM	253	165	M	3.32			
HS200304-T11-112-014	CHUM	266	189	F	2.58			

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200304-VI01-112-001	CHUM	223	115	F	2.17			
HS200304-VI03-112-001	CHUM	253	165	F	5.3			
HS200304-VI03-112-002	CHUM	244	152	F	4.33			
HS200304-VI03-112-003	CHUM	254	171	M	5.59			
HS200304-VI03-112-004	CHUM	248	159	F	4.74			
HS200304-VI03-112-005	CHUM	234	137	M	4.52			
HS200304-VI04-112-001	CHUM	233	143	M	8.15			
HS200304-VI04-112-002	CHUM	233	126	M	7.3			
HS200304-VI04-112-003	CHUM	230	129	M	5.04			
HS200304-VI04-112-004	CHUM	224	125	F	2.61			
HS200304-VI04-112-005	CHUM	216	114	M	5.33			
HS200304-VI04-112-006	CHUM	205	85	F	2.94			
HS200304-VI04-112-007	CHUM	225	127	F	4.68			
HS200304-VI04-112-008	CHUM	226	134	M	8.71			
HS200304-VI05-112-001	CHUM	244	155	M	8.46			
HS200304-VI05-112-002	CHUM	242	164	F	8.45			
HS200304-DE01-115-001	COHO	330	405	F	6.3			
HS200304-EP01-115-001	COHO	340	398	F	1.43			
HS200304-EP04-115-001	COHO	312	346					AD
HS200304-EP04-115-002	COHO	310	357					AD
HS200304-EP07-115-001	COHO	376	620	M	10.13			
HS200304-IVI01-115-001	COHO	295	284	M	6.89			
HS200304-IVI01-115-002	COHO	337	411					
HS200304-IVI01-115-003	COHO	326	377	F	1.06			
HS200304-IVI01-115-004	COHO	321	332					
HS200304-IVI01-115-005	COHO	321	370	F	2.29			
HS200304-IVI01-115-006	COHO	363	507	M	2.5			
HS200304-IVI01-115-007	COHO	319	354					
HS200304-IVI01-115-008	COHO	309	316					
HS200304-IVI03-115-001	COHO	312	313	M	8.41			
HS200304-IVI08-115-001	COHO	342	447	F	1.44			AD
HS200304-IVI08-115-002	COHO			M				
HS200304-IVI08-115-003	COHO	299	304					
HS200304-IVI13-115-001	COHO	319	333	F	1.15			
HS200304-IVI13-115-002	COHO	306	303	M	1.7			
HS200304-IVI13-115-003	COHO	303	290	M	0.84			
HS200304-IVI13-115-004	COHO	349	461	M	1.39			
HS200304-IVI13-115-005	COHO	317	332	F	1.35			
HS200304-IVI13-115-006	COHO	356	493					

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200304-IVI13-115-007	COHO	289	244					
HS200304-IVI13-115-008	COHO	314	359	M	1.68			
HS200304-IVI13-115-009	COHO	291	259	M	0.76			
HS200304-IVI13-115-010	COHO	319	360	F	0.39			
HS200304-IVI13-115-011	COHO	332	404	M	1.61			
HS200304-IVI13-115-012	COHO	285	244	F	0.96			
HS200304-IVI13-115-013	COHO	339	414	F	0.64			
HS200304-IVI13-115-014	COHO	303	294	F	1.69			
HS200304-IVI13-115-015	COHO	290	249	M	1.25			
HS200304-IVI14-115-001	COHO	346	420					
HS200304-IVI14-115-002	COHO	334	416	U	1.4			
HS200304-IVI14-115-003	COHO	315	320					
HS200304-IVI14-115-004	COHO	277	236					
HS200304-IVI14-115-005	COHO	295	276					
HS200304-IVI15-115-001	COHO	310	327	M	0.77			
HS200304-IVI15-115-002	COHO	334	411	M	1.76			
HS200304-IVI15-115-003	COHO	312	337	M	0.9			
HS200304-IVI15-115-004	COHO	302	296	U	0.92			
HS200304-IVI15-115-005	COHO	321	321					
HS200304-IVI15-115-006	COHO	312	309	M	2.12			AD
HS200304-IVI15-115-007	COHO	283	215	M	1.62			
HS200304-IVI15-115-008	COHO	305	299					
HS200304-IVI15-115-009	COHO	274	224	M	1.18			
HS200304-IVI15-115-010	COHO	310	276	M	1.92			
HS200304-IVI15-115-011	COHO	284	266					
HS200304-IVI15-115-012	COHO	301	300					
HS200304-IVI15-115-013	COHO	280	231	M	1.26			
HS200304-IVI15-115-014	COHO	296	248	F	1.09			AD
HS200304-IVI15-115-015	COHO	298	243	M	0.97			
HS200304-IVI15-115-016	COHO	266	180					
HS200304-IVI15-115-017	COHO	278	221	M	1.26			
HS200304-IVI16-115-001	COHO	309	291	M	1.32			
HS200304-IVI16-115-002	COHO	315	300	F	0.86			
HS200304-IVI16-115-003	COHO			M				
HS200304-IVI16-115-004	COHO	354	427	F	2.17			
HS200304-IVI16-115-005	COHO	275	204	M	1.19			
HS200304-IVI16-115-006	COHO	386	594					
HS200304-IVI16-115-007	COHO	354	445	M	2.65			
HS200304-IVI16-115-008	COHO	328	334	F	1.72			

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200304-IVI16-115-009	COHO	311	321	M	0.81			
HS200304-IVI16-115-010	COHO	319	333	M	1.87			
HS200304-IVI16-115-011	COHO	306	299	M	0.74			
HS200304-VI02-115-001	COHO	349	494	F	5.87			
HS200304-VI02-115-002	COHO	332	381					
HS200304-VI02-115-003	COHO	321	381	M	4.93			
HS200304-VI03-115-001	COHO	353	442	M	8.18			AD
HS200304-VI03-115-002	COHO	366	537	F	12.35			
HS200304-DE01-108-001	PINK	297	247	F	1.32			
HS200304-DE01-108-002	PINK	308	281	M	2.16			
HS200304-DE01-108-003	PINK	282	221	M	4.1			
HS200304-DE01-108-004	PINK	317	285	F	1.2			
HS200304-DE01-108-005	PINK	263	169	M	1.55			
HS200304-DE01-108-006	PINK	317	306	F	1.38			
HS200304-DE01-108-007	PINK	271	205	F	3.8			
HS200304-DE01-108-008	PINK	292	234	M	1.31			
HS200304-DE01-108-009	PINK	298	242	M	0.79			
HS200304-DE02-108-001	PINK	305	253	F	1.19			
HS200304-DE02-108-002	PINK	281	183	F	1.91			
HS200304-DE02-108-003	PINK	273	184	F	2.64			
HS200304-DE02-108-004	PINK	282	207	M	1.88			
HS200304-DE02-108-005	PINK	295	257	F	1.89			
HS200304-DE02-108-006	PINK	301	279	F	5.76			
HS200304-DE02-108-007	PINK	292	223	F	2.2			
HS200304-DE02-108-008	PINK	265	177	F	1.87			
HS200304-DE02-108-009	PINK	289	215	M	2.42			
HS200304-DE02-108-010	PINK	266	159	M	1.38			
HS200304-DE02-108-011	PINK	313	286	M	3.76			
HS200304-DE02-108-012	PINK	304	262	F	1.89			
HS200304-DE02-108-013	PINK	285	228	M	2.15			
HS200304-DE02-108-014	PINK	287	223	F	0.45			
HS200304-DE02-108-015	PINK	283	214	F	2.85			
HS200304-DE02-108-016	PINK	266						
HS200304-DE02-108-017	PINK	286						
HS200304-DE02-108-018	PINK	275						
HS200304-DE02-108-019	PINK	257						
HS200304-DE02-108-020	PINK	272						
HS200304-DE02-108-021	PINK	276						
HS200304-DE02-108-022	PINK	280						

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200304-DE02-108-023	PINK	286						
HS200304-DE02-108-024	PINK	296						
HS200304-DE02-108-025	PINK	287						
HS200304-DE02-108-026	PINK	295						
HS200304-DE02-108-027	PINK	282						
HS200304-DE02-108-028	PINK	290						
HS200304-DE02-108-029	PINK	284						
HS200304-DE02-108-030	PINK	264						
HS200304-DE02-108-031	PINK	291						
HS200304-DE02-108-032	PINK	274						
HS200304-DE02-108-033	PINK	260						
HS200304-DE02-108-034	PINK	305						
HS200304-DE02-108-035	PINK	287						
HS200304-DE02-108-036	PINK	292						
HS200304-DE02-108-037	PINK	259						
HS200304-DE02-108-038	PINK	261						
HS200304-DE02-108-039	PINK	273						
HS200304-DE02-108-040	PINK	270						
HS200304-DE02-108-041	PINK	272						
HS200304-DE02-108-042	PINK	280						
HS200304-DE02-108-043	PINK	244						
HS200304-DE02-108-044	PINK	280						
HS200304-DE02-108-045	PINK	285						
HS200304-DE02-108-046	PINK	300						
HS200304-DE02-108-047	PINK	260						
HS200304-DE02-108-048	PINK	242						
HS200304-DE02-108-049	PINK	278						
HS200304-DE02-108-050	PINK	260						
HS200304-DE02-108-051	PINK	269						
HS200304-DE02-108-052	PINK	260						
HS200304-DE02-108-053	PINK	261						
HS200304-DE02-108-054	PINK	290						
HS200304-DE02-108-055	PINK	272						
HS200304-DE02-108-056	PINK	272						
HS200304-DE02-108-057	PINK	291						
HS200304-DE02-108-058	PINK	273						
HS200304-DE02-108-059	PINK	304						
HS200304-DE02-108-060	PINK	265						
HS200304-DE02-108-061	PINK	265						

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200304-DE02-108-062	PINK	275						
HS200304-DE02-108-063	PINK	275						
HS200304-DE02-108-064	PINK	274						
HS200304-DE02-108-065	PINK	280						
HS200304-DE02-108-066	PINK	287						
HS200304-DE02-108-067	PINK	264						
HS200304-DE02-108-068	PINK	275						
HS200304-DE02-108-069	PINK	284						
HS200304-DE02-108-070	PINK	289						
HS200304-DE02-108-071	PINK	285						
HS200304-DE02-108-072	PINK	260						
HS200304-DE02-108-073	PINK	266						
HS200304-DE02-108-074	PINK	282						
HS200304-DE02-108-075	PINK	273						
HS200304-DE02-108-076	PINK	274						
HS200304-DE02-108-077	PINK	296						
HS200304-DE02-108-078	PINK	303						
HS200304-DE02-108-079	PINK	289						
HS200304-DE02-108-080	PINK	294						
HS200304-DE02-108-081	PINK	282						
HS200304-DE02-108-082	PINK	310						
HS200304-DE02-108-083	PINK	258						
HS200304-DE02-108-084	PINK	262						
HS200304-DE02-108-085	PINK	281						
HS200304-DE02-108-086	PINK	291						
HS200304-DE02-108-087	PINK	278						
HS200304-DE02-108-088	PINK	264						
HS200304-DE02-108-089	PINK	292						
HS200304-DE02-108-090	PINK	292						
HS200304-DE02-108-091	PINK	268						
HS200304-DE02-108-092	PINK	279						
HS200304-DE02-108-093	PINK	280						
HS200304-DE02-108-094	PINK	278						
HS200304-DE02-108-095	PINK	273						
HS200304-DE02-108-096	PINK	278						
HS200304-DE02-108-097	PINK	247						
HS200304-DE02-108-098	PINK	285						
HS200304-DE02-108-099	PINK	301						
HS200304-DE02-108-100	PINK	266						

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200304-DE02-108-101	PINK	287						
HS200304-DE02-108-102	PINK	282						
HS200304-DE02-108-103	PINK	260						
HS200304-DE02-108-104	PINK	302						
HS200304-DE02-108-105	PINK	285						
HS200304-DE02-108-106	PINK	287						
HS200304-DE02-108-107	PINK	267						
HS200304-DE02-108-108	PINK	280						
HS200304-DE02-108-109	PINK	283						
HS200304-DE02-108-110	PINK	299						
HS200304-DE02-108-111	PINK	275						
HS200304-DE02-108-112	PINK	252						
HS200304-DE02-108-113	PINK	267						
HS200304-DE02-108-114	PINK	278						
HS200304-DE02-108-115	PINK	291						
HS200304-DE02-108-116	PINK	260						
HS200304-DE03-108-001	PINK	273	203	M	2.79			
HS200304-DE03-108-002	PINK	273	208	F	6.04			
HS200304-DE03-108-003	PINK	297	221	F	3.41			
HS200304-DE03-108-004	PINK	284	237	M	2.93			
HS200304-DE03-108-005	PINK	272	198	F	1.71			
HS200304-DE03-108-006	PINK	284	234	M	5.32			
HS200304-DE03-108-007	PINK	281	192	F	2.44			
HS200304-DE03-108-008	PINK	286	210	F	2.62			
HS200304-DE03-108-009	PINK	248	138	F	2.35			
HS200304-DE03-108-010	PINK	277	199	M	2.32			
HS200304-DE03-108-011	PINK	271	196	F	9.28			
HS200304-DE03-108-012	PINK	269	182	M	1.07			
HS200304-DE03-108-013	PINK	255	171	M	5.85			
HS200304-DE03-108-014	PINK	294	224	F	1.91			
HS200304-DE03-108-015	PINK	292	230	F	3.01			
HS200304-DE06-108-001	PINK	257	180	F	4.43			
HS200304-DE07-108-001	PINK	321	339	M	1.16			
HS200304-DE07-108-002	PINK	304	269	M	1.3			
HS200304-DE07-108-003	PINK	311	297	M	7.77			
HS200304-DE07-108-004	PINK	278	199	M	4.14			
HS200304-DE07-108-005	PINK	315	327	F	2.31			
HS200304-DE07-108-006	PINK	312	316	F	2.49			
HS200304-DE07-108-007	PINK	324	321	F	3.69			

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200304-DE07-108-008	PINK	293	241	F	3.4			
HS200304-DE07-108-009	PINK	371	478	M	3.03			
HS200304-DE07-108-010	PINK	328		F	2.65			
HS200304-DE07-108-011	PINK	301	276	F	1.43			
HS200304-DE07-108-012	PINK	328	357	F	2.11			
HS200304-DE07-108-013	PINK	311	309	F	2			
HS200304-DE07-108-014	PINK	294	247	F	2.38			
HS200304-DE07-108-015	PINK	313	325	M	5.53			
HS200304-DE07-108-016	PINK	298	260					
HS200304-DE07-108-017	PINK	305	283					
HS200304-DE07-108-018	PINK	301	254					
HS200304-DE07-108-019	PINK	274	179					
HS200304-EP03-108-001	PINK	275	211	M	2.36			
HS200304-EP03-108-002	PINK	302	286	M	1.99			
HS200304-EP03-108-003	PINK	316	328	M	2.16			
HS200304-EP03-108-004	PINK	279	214	M	1.81			
HS200304-EP04-108-001	PINK	271	211	M	1.94			
HS200304-EP04-108-002	PINK	268	219	M	8.25			
HS200304-EP04-108-003	PINK	315	368	F	5.97			
HS200304-EP04-108-004	PINK	289	201	M	8.23			
HS200304-EP04-108-005	PINK	276	220	F	1.63			
HS200304-EP04-108-006	PINK	292	268	F	3.65			
HS200304-EP04-108-007	PINK	289	245	M	3.45			
HS200304-EP04-108-008	PINK	262	201	M	8.88			
HS200304-EP04-108-009	PINK	309	320	M	10.4			
HS200304-EP04-108-010	PINK	314	325	F	5.2			
HS200304-EP04-108-011	PINK	284	269	F	5.61			
HS200304-EP04-108-012	PINK	296	294	F	2.79			
HS200304-EP04-108-013	PINK	282	241	F	4.44			
HS200304-EP04-108-014	PINK	291	243	M	1.76			
HS200304-EP04-108-015	PINK	279	258	F	2.94			
HS200304-EP04-108-016	PINK	274						
HS200304-EP04-108-017	PINK	289						
HS200304-EP04-108-018	PINK	337						
HS200304-EP04-108-019	PINK	246						
HS200304-EP04-108-020	PINK	275						
HS200304-EP04-108-021	PINK	295						
HS200304-EP04-108-022	PINK	287						
HS200304-EP04-108-023	PINK	272						

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200304-EP04-108-024	PINK	275						
HS200304-EP04-108-025	PINK	273						
HS200304-EP04-108-026	PINK	295						
HS200304-EP04-108-027	PINK	304						
HS200304-EP04-108-028	PINK	294						
HS200304-EP04-108-029	PINK	270						
HS200304-EP04-108-030	PINK	276						
HS200304-EP04-108-031	PINK	282						
HS200304-EP04-108-032	PINK	285						
HS200304-EP04-108-033	PINK	257						
HS200304-EP04-108-034	PINK	273						
HS200304-EP04-108-035	PINK	256						
HS200304-EP04-108-036	PINK	278						
HS200304-EP04-108-037	PINK	271						
HS200304-EP04-108-038	PINK	280						
HS200304-EP04-108-039	PINK	287						
HS200304-EP04-108-040	PINK	288						
HS200304-EP04-108-041	PINK	258						
HS200304-EP04-108-042	PINK	294						
HS200304-EP04-108-043	PINK	283						
HS200304-EP04-108-044	PINK	276						
HS200304-EP04-108-045	PINK	294						
HS200304-EP04-108-046	PINK	286						
HS200304-EP04-108-047	PINK	284						
HS200304-EP04-108-048	PINK	305						
HS200304-EP04-108-049	PINK	280						
HS200304-EP04-108-050	PINK	297						
HS200304-EP04-108-051	PINK	270						
HS200304-EP04-108-052	PINK	295						
HS200304-EP04-108-053	PINK	266						
HS200304-EP04-108-054	PINK	274						
HS200304-EP04-108-055	PINK	296						
HS200304-EP04-108-056	PINK	284						
HS200304-EP04-108-057	PINK	285						
HS200304-EP04-108-058	PINK	255						
HS200304-EP04-108-059	PINK	272						
HS200304-EP04-108-060	PINK	266						
HS200304-EP04-108-061	PINK	285						
HS200304-EP04-108-062	PINK	279						

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200304-EP04-108-063	PINK	270						
HS200304-EP04-108-064	PINK	295						
HS200304-EP04-108-065	PINK	302						
HS200304-EP04-108-066	PINK	265						
HS200304-EP04-108-067	PINK	295						
HS200304-EP04-108-068	PINK	287						
HS200304-EP04-108-069	PINK	254						
HS200304-EP04-108-070	PINK	305						
HS200304-EP04-108-071	PINK	323						
HS200304-EP04-108-072	PINK	261						
HS200304-EP04-108-073	PINK	285						
HS200304-EP04-108-074	PINK	267						
HS200304-EP04-108-075	PINK	285						
HS200304-EP04-108-076	PINK	265						
HS200304-EP04-108-077	PINK	264						
HS200304-EP04-108-078	PINK	273						
HS200304-EP04-108-079	PINK	293						
HS200304-EP04-108-080	PINK	278						
HS200304-EP04-108-081	PINK	280						
HS200304-EP04-108-082	PINK	273						
HS200304-EP04-108-083	PINK	283						
HS200304-EP04-108-084	PINK	267						
HS200304-EP04-108-085	PINK	275						
HS200304-EP04-108-086	PINK	260						
HS200304-EP04-108-087	PINK	295						
HS200304-EP04-108-088	PINK	275						
HS200304-EP04-108-089	PINK	295						
HS200304-EP04-108-090	PINK	283						
HS200304-EP04-108-091	PINK	279						
HS200304-EP04-108-092	PINK	262						
HS200304-EP04-108-093	PINK	252						
HS200304-FI09-108-001	PINK	314	293	M	5.54			
HS200304-FI09-108-002	PINK	275	189	U	3.81			
HS200304-T10-108-001	PINK	261	190	M	1.2			
HS200304-T10-108-002	PINK	261	185	F	0.86			
HS200304-T10-108-003	PINK	265	195	F	2			
HS200304-T10-108-004	PINK	257	184	M	3.75			
HS200304-T10-108-005	PINK	275	202	F	3.56			
HS200304-T10-108-006	PINK	270	237	F	5.42			

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200304-T10-108-007	PINK	276	210	M	3.81			
HS200304-T10-108-008	PINK	268	192	F	3.3			
HS200304-T10-108-009	PINK	260	180	F	5.62			
HS200304-T10-108-010	PINK	268	198	F	5.63			
HS200304-T10-108-011	PINK	278	236	F	6.02			
HS200304-T10-108-012	PINK	256	162	M	1.57			
HS200304-T10-108-013	PINK	255	185	M	2.75			
HS200304-T10-108-014	PINK	276	240	M	8.07			
HS200304-T10-108-015	PINK	288	233	M	1.6			
HS200304-T10-108-016	PINK	280						
HS200304-T10-108-017	PINK	287						
HS200304-T10-108-018	PINK	279						
HS200304-T10-108-019	PINK	265						
HS200304-T10-108-020	PINK	284						
HS200304-T10-108-021	PINK	290						
HS200304-T10-108-022	PINK	257						
HS200304-T10-108-023	PINK	267						
HS200304-T10-108-024	PINK	271						
HS200304-T10-108-025	PINK	250						
HS200304-T10-108-026	PINK	267						
HS200304-T10-108-027	PINK	253						
HS200304-T10-108-028	PINK	266						
HS200304-T10-108-029	PINK	267						
HS200304-T10-108-030	PINK	282						
HS200304-T10-108-031	PINK	254						
HS200304-T10-108-032	PINK	257						
HS200304-T10-108-033	PINK	267						
HS200304-T10-108-034	PINK	269						
HS200304-T10-108-035	PINK	271						
HS200304-T10-108-036	PINK	261						
HS200304-T10-108-037	PINK	237						
HS200304-T10-108-038	PINK	285						
HS200304-T10-108-039	PINK	256						
HS200304-T10-108-040	PINK	285						
HS200304-T10-108-041	PINK	261						
HS200304-T10-108-042	PINK	258						
HS200304-T10-108-043	PINK	286						
HS200304-T10-108-044	PINK	259						
HS200304-T10-108-045	PINK	293						

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200304-T10-108-046	PINK	283						
HS200304-T10-108-047	PINK	277						
HS200304-T10-108-048	PINK	248						
HS200304-T10-108-049	PINK	272						
HS200304-T10-108-050	PINK	258						
HS200304-T10-108-051	PINK	255						
HS200304-T10-108-052	PINK	274						
HS200304-T10-108-053	PINK	273						
HS200304-T10-108-054	PINK	280						
HS200304-T10-108-055	PINK	266						
HS200304-T10-108-056	PINK	279						
HS200304-T10-108-057	PINK	270						
HS200304-T10-108-058	PINK	261						
HS200304-T10-108-059	PINK	260						
HS200304-T10-108-060	PINK	262						
HS200304-T10-108-061	PINK	249						
HS200304-T10-108-062	PINK	277						
HS200304-T10-108-063	PINK	259						
HS200304-T10-108-064	PINK	243						
HS200304-T10-108-065	PINK	249						
HS200304-T10-108-066	PINK	255						
HS200304-T10-108-067	PINK	274						
HS200304-T10-108-068	PINK	264						
HS200304-T10-108-069	PINK	274						
HS200304-T10-108-070	PINK	253						
HS200304-T10-108-071	PINK	278						
HS200304-T10-108-072	PINK	232						
HS200304-T10-108-073	PINK	250						
HS200304-T10-108-074	PINK	274						
HS200304-T10-108-075	PINK	270						
HS200304-T10-108-076	PINK	273						
HS200304-T10-108-077	PINK	280						
HS200304-T10-108-078	PINK	258						
HS200304-T10-108-079	PINK	273						
HS200304-T10-108-080	PINK	263						
HS200304-T10-108-081	PINK	267						
HS200304-T10-108-082	PINK	266						
HS200304-T10-108-083	PINK	264						
HS200304-T10-108-084	PINK	298						

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200304-T10-108-085	PINK	266						
HS200304-T10-108-086	PINK	303						
HS200304-T10-108-087	PINK	265						
HS200304-T10-108-088	PINK	260						
HS200304-T10-108-089	PINK	245						
HS200304-T10-108-090	PINK	273						
HS200304-T10-108-091	PINK	250						
HS200304-T10-108-092	PINK	254						
HS200304-T10-108-093	PINK	269						
HS200304-T10-108-094	PINK	267						
HS200304-T11-108-001	PINK	285	236	M	1.77			
HS200304-T11-108-002	PINK	325	330	M	3.79			
HS200304-T11-108-003	PINK	271	213	M	6.87			
HS200304-VI03-108-001	PINK	241	146	F	7.33			
HS200304-VI03-108-002	PINK	248	157	F	5.29			
HS200304-VI04-108-001	PINK	239	144	F	12.27			
HS200304-VI04-108-002	PINK	240	146	F	14.29			
HS200304-VI04-108-003	PINK	246	162	M	13.78			
HS200304-VI04-108-004	PINK	255	182	F	17.22			
HS200304-VI04-108-005	PINK	267	215	M	15.23			
HS200304-VI04-108-006	PINK	244	158	F	11.2			
HS200304-VI04-108-007	PINK	248	162	F	6.91			
HS200304-VI04-108-008	PINK	239	146	F	9.05			
HS200304-VI04-108-009	PINK	245	157	M	11.69			
HS200304-VI04-108-010	PINK	236	130	F	9.05			
HS200304-VI04-108-011	PINK	224	118	F	10.04			
HS200304-VI04-108-012	PINK	236	136	M	10.25			
HS200304-VI04-108-013	PINK	242	154	F	10.74			
HS200304-VI05-108-001	PINK	266	203	F	19.18			
HS200304-VI05-108-002	PINK	260	200	F	15.85			
HS200304-VI05-108-003	PINK	239	150	F	13.78			
HS200304-VI05-108-004	PINK	258	202	M	20.46			
HS200304-VI05-108-005	PINK	237	134	M	8.49			
HS200304-VI05-108-006	PINK	276	222	F	21.33			
HS200304-VI05-108-007	PINK	239	143	F	8.6			
HS200304-VI05-108-008	PINK	259	189	F	14.98			
HS200304-VI05-108-009	PINK	260	184	F	16.86			
HS200304-DE01-118-001	SOCKEYE	243	139		1.03			
HS200304-DE01-118-002	SOCKEYE	255	161		0.91			

Table 2. Biological data collected for each salmon caught on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Fish Number	Species	Fork Length	Whole Body Weight (g wet)	Sex	Stomach Content Weight (g wet)	CWT age	CWT	Fin Clip
HS200304-DE01-118-003	SOCKEYE	231	128		1.64			
HS200304-DE01-118-004	SOCKEYE	232	121		2.81			
HS200304-DE01-118-005	SOCKEYE	244	147		1.55			
HS200304-DE02-118-001	SOCKEYE	257	162		0.99			
HS200304-DE02-118-002	SOCKEYE	234	123		0.92			
HS200304-DE02-118-003	SOCKEYE		164		1.53			
HS200304-DE02-118-004	SOCKEYE	234	137		0.89			
HS200304-DE02-118-005	SOCKEYE	247	158		1.13			
HS200304-DE02-118-006	SOCKEYE	243	139		1.63			
HS200304-DE02-118-007	SOCKEYE	249	148		1.16			
HS200304-DE02-118-008	SOCKEYE	264	173		3.96			
HS200304-DE02-118-009	SOCKEYE	246	144		1.48			
HS200304-DE02-118-010	SOCKEYE	239	136		1.47			
HS200304-DE02-118-011	SOCKEYE	246	147		1.95			
HS200304-DE02-118-012	SOCKEYE	235	135		0.79			
HS200304-DE03-118-001	SOCKEYE	242	140		1.11			
HS200304-DE03-118-002	SOCKEYE	260	176		2.75			
HS200304-DE03-118-003	SOCKEYE	240	128		1.33			
HS200304-VI01-118-001	SOCKEYE	208	93		0.97			
HS200304-VI01-118-002	SOCKEYE	188	66		0.98			
HS200304-VI01-118-003	SOCKEYE	194	71		1.25			
HS200304-VI01-118-004	SOCKEYE	201	81		0.92			
HS200304-VI01-118-005	SOCKEYE	195	65		1.08			
HS200304-VI01-118-006	SOCKEYE	198	81		0.98			
HS200304-VI01-118-007	SOCKEYE	199	76		1.13			
HS200304-VI01-118-008	SOCKEYE	188	68		0.76			
HS200304-VI01-118-009	SOCKEYE	192	67		1.17			
HS200304-VI01-118-010	SOCKEYE	184	61		0.96			
HS200304-VI01-118-011	SOCKEYE	207	87		1.3			
HS200304-VI01-118-012	SOCKEYE	182	59		0.91			
HS200304-VI01-118-013	SOCKEYE	191	66		0.59			
HS200304-VI04-118-001	SOCKEYE	201	86		4.02			
HS200304-VI04-118-002	SOCKEYE	179	58		2.3			
HS200304-VI04-118-003	SOCKEYE	193	79		3.16			
HS200304-VI04-118-004	SOCKEYE	196	76		3.3			
HS200304-VI04-118-005	SOCKEYE	192	70		2.87			
HS200304-VI04-118-006	SOCKEYE	182	67		1.47			

Table 3. Physical oceanographic data collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Station ID	Station Name	Region	Date UTC	Time UTC	Latitude (°N)	Longitude (°W)	Bottom Depth (m)	SST (°C)	SSS (ppt)	NO3 umoles/L	Si umoles/	PO4 umoles/L	Chl A ug/L
HS200304IVI01	TREVOR CH	IVI	14-Feb-03	21:42	48.837	125.162	52			9.1	17.9	0.92	1.08
HS200304IVI03	TREVOR CH	IVI	15-Feb-03	00:54	48.960	125.001	166			10.4	19.3	1.14	0.47
HS200304IVI04	IMPERIAL EAGLE CH	IVI	15-Feb-03	03:15	48.871	125.253	85			10.2	20.5	1.08	2.48
HS200304EP01	ESTEVAN PT	VI	15-Feb-03	15:05	49.339	126.550	51			13.2	23.7	1.3	1.14
HS200304EP02	ESTEVAN PT	VI	15-Feb-03	16:53	49.316	126.634	96			7.6	12.8	0.98	1.95
HS200304EP03	ESTEVAN PT	VI	15-Feb-03	18:44	49.271	126.716	120			7.9	12.8	1.01	1.15
HS200304EP04	ESTEVAN PT	VI	15-Feb-03	20:50	49.229	126.709	115			7.7	13.3	1.02	1.33
HS200304EP05	ESTEVAN PT	VI	15-Feb-03	22:53	49.201	126.826	142			7.6	12.7	0.95	
HS200304EP06	ESTEVAN PT	VI	16-Feb-03	00:25	49.161	126.891	182			7	10.7	0.92	0.91
HS200304EP12	ESTEVAN PT	VI	16-Feb-03	15:05	48.454	128.193	2584			6.5	6.2	0.98	0.59
HS200304EP11	ESTEVAN PT	VI	16-Feb-03	18:02	48.732	127.838	2465			6.9	6.7	1	0.46
HS200304EP10	ESTEVAN PT	VI	16-Feb-03	20:26	48.860	127.668	2565			6.8	6.2	1.06	
HS200304EP09	ESTEVAN PT	VI	16-Feb-03	22:04	48.897	127.434	2136			7.6	7.2	1.06	0.47
HS200304EP08	ESTEVAN PT	VI	17-Feb-03	00:03	49.024	127.176	1706			7.3	7.9	0.99	0.69
HS200304EP07	ESTEVAN PT	VI	17-Feb-03	01:56	49.128	126.992	526			6.3	7	1.07	0.82

Table 3. Physical oceanographic data collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Station ID	Station Name	Region	Date UTC	Time UTC	Latitude (°N)	Longitude (°W)	Bottom Depth (m)	SST (°C)	SSS (ppt)	NO3 umoles/L	Si umoles/	PO4 umoles/L	Chl A ug/L
HS200304IVI05	ESPERANZA INLET	IVI	17-Feb-03	21:15	49.884	126.789	153			12.1	20.8	1.22	0.62
HS200304IVI07	ESPERANZA INLET	IVI	18-Feb-03	01:31	49.773	127.105	45			8.8	15.9	1.01	1.33
HS200304VI01	OFF_KYUQUOT	VI	18-Feb-03	15:21	49.903	127.571	62			9.9	15.9	1.11	0.79
HS200304VI02	OFF_KYUQUOT	VI	18-Feb-03	16:53	49.919	127.436	64			9.7	17.1	1.27	
HS200304IVI08	KYUQUOT CH	VI	18-Feb-03	18:23	49.934	127.301	65			9	17.1	1.01	1.85
HS200304IVI09	KYUQUOT CH	IVI	18-Feb-03	20:08	49.971	127.259	131			7.2	14.9	0.88	2.31
HS200304IVI10	KYUQUOT CH	IVI	18-Feb-03	21:20	50.004	127.174	150			9.2	17.1	0.99	
HS200304IVI11	KYUQUOT CH	IVI	18-Feb-03	22:53	50.051	127.251	225			10.5	18.1	1.1	0.39
HS200304IVI12	KYUQUOT CH	IVI	19-Feb-03	00:26	50.087	127.154	161			11.6	19.1	1.16	0.68
HS200304IVI13	QUATSINO SD	IVI	19-Feb-03	15:02	50.521	127.671	149			13.7	26	1.41	0.14
HS200304IVI14	QUATSINO SD	IVI	19-Feb-03	16:20	50.503	127.718	61			14.5	26.5	1.43	
HS200304IVI15	QUATSINO SD	IVI	19-Feb-03	17:24	50.474	127.793	130			13.9	23.6	1.33	0.18
HS200304IVI16	QUATSINO SD	IVI	19-Feb-03	18:44	50.469	127.893	204			12.8	23.8	1.29	0.31
HS200304VI03	OFF QUATSINO	VI	19-Feb-03	21:11	50.408	128.002	160			8.6	15.7	1	
HS200304VI04	OFF QUATSINO	VI	19-Feb-03	22:51	50.388	128.156	108			8.5	14.9	1.02	1.36

Table 3. Physical oceanographic data collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Station ID	Station Name	Region	Date UTC	Time UTC	Latitude (°N)	Longitude (°W)	Bottom Depth (m)	SST (°C)	SSS (ppt)	NO3 umoles/L	Si umoles/	PO4 umoles/L	Chl A ug/L
HS200304VI05	OFF QUATSINO	VI	20-Feb-03	00:17	50.387	128.257	164			8.4	14.3	1.05	0.99
HS200304T01	TRIANGLE IS	QCSD	20-Feb-03	17:25	51.251	128.222	40			13.2	21.6	1.39	
HS200304T02	TRIANGLE IS	QCSD	20-Feb-03	19:10	51.204	128.340	141			10.4	15.6		0.51
HS200304T03	TRIANGLE IS	QCSD	20-Feb-03	21:01	51.122	128.486	157			10.1	15	1.16	0.57
HS200304T04	TRIANGLE IS	QCSD	20-Feb-03	23:32	51.010	128.738	70			9.1	13.4	1.11	0.79
HS200304T05	TRIANGLE IS	QCSD	21-Feb-03	01:29	50.918	128.956	66			9	13	1.08	0.7
HS200304T12	TRIANGLE IS	VI	21-Feb-03	15:04	50.337	130.226	1800			8.3	10.4	1.06	
HS200304T11	TRIANGLE IS	VI	21-Feb-03	17:06	50.435	130.025	2166			9	12.6	1.1	0.62
HS200304T10	TRIANGLE IS	VI	21-Feb-03	19:10	50.503	129.856	2160			9	12.2	1.08	0.81
HS200304T09	TRIANGLE IS	VI	21-Feb-03	20:55	50.584	129.722	2055			8.5	10.5	1.08	0.83
HS200304T08	TRIANGLE IS	VI	21-Feb-03	22:39	50.655	129.525	1912			8.2	10.7	1.03	
HS200304T07	TRIANGLE IS	VI	22-Feb-03	00:24	50.737	129.367	800			6.6	9.3	0.89	0.82
HS200304T06	TRIANGLE IS	QCSD	22-Feb-03	02:16	50.820	129.191	87			8.1	11.3	0.99	0.71
HS200304HS01	HECATE ST	HS	22-Feb-03	15:08	52.488	129.791	196			10.1	13.2	1.19	0.28
HS200304HS02	HECATE ST	HS	22-Feb-03	16:53	52.555	129.952	251			10.1	13	1.21	0.36

Table 3. Physical oceanographic data collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Station ID	Station Name	Region	Date UTC	Time UTC	Latitude (°N)	Longitude (°W)	Bottom Depth (m)	SST (°C)	SSS (ppt)	NO3 umoles/L	SI umoles/	PO4 umoles/L	Chl A ug/L
HS200304HS03	HECATE ST	HS	22-Feb-03	18:35	52.619	130.126	244			10	13.1	1.18	0.38
HS200304HS04	HECATE ST	HS	22-Feb-03	20:20	52.674	130.305	223			10.2	14.2	1.25	
HS200304HS05	HECATE ST	HS	22-Feb-03	21:54	52.725	130.457	138			11	14.8	1.23	0.32
HS200304HS06	HECATE ST	HS	22-Feb-03	23:16	52.774	130.592	124			11.9	16.7	1.31	0.41
HS200304HS07	HECATE ST	HS	23-Feb-03	01:30	52.837	130.618	103			12.8	19.2	1.36	0.48
HS200304DE01	McINTYRE BAY	DE	23-Feb-03	15:09	54.173	131.786	57			17.4	29.9	1.6	0.61
HS200304DE02	McINTYRE BAY	DE	23-Feb-03	16:38	54.160	131.968	70			17.5	29.6	1.65	0.42
HS200304DE03	WIAH PT - 5 NM NE	DE	23-Feb-03	18:02	54.169	132.150	53			17.6	29.9	1.67	0.35
HS200304DE04	WIAh PT	DE	23-Feb-03	19:13	54.139	132.268	60			17.2	29.1	1.6	0.48
HS200304DE05	KLASHWUN PT	DE	23-Feb-03	21:08	54.153	132.493	90			17.1	28.8	1.64	
HS200304DE06	LANGARA IS	DE	23-Feb-03	22:18	54.207	132.603	130			17.8	29.6	1.66	
HS200304DE07	LANGARA IS	DE	23-Feb-03	23:37	54.275	132.669	240			18	30.5	1.72	
HS200304FI01	FORRESTER IS	SEA	24-Feb-03	15:02	54.804	133.056	157			17	28.4	1.59	
HS200304FI02	FORRESTER IS	SEA	24-Feb-03	16:37	54.788	133.174	207			15.6	24	1.46	
HS200304FI03	FORRESTER IS	SEA	24-Feb-03	18:24	54.774	133.293	149			16.2	25.7	1.56	

Table 3. Physical oceanographic data collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Station ID	Station Name	Region	Date UTC	Time UTC	Latitude (°N)	Longitude (°W)	Bottom Depth (m)	SST (°C)	SSS (ppt)	NO3 umoles/L	SI umoles/	PO4 umoles/L	Chl A ug/L
HS200304FI04	FORRESTER IS	SEA	24-Feb-03	20:11	54.755	133.473	123			17	27.1	1.58	
HS200304FI05	FORRESTER IS	SEA	24-Feb-03	22:20	54.740	133.575	168			17.6	28.6	1.65	
HS200304FI06	FORRESTER IS	SEA	25-Feb-03	00:14	54.723	133.707	212			17.2	27.6	1.63	
HS200304FI07	FORRESTER IS	SEA	25-Feb-03	01:54	54.706	133.836	222			12.2	15.5	1.3	
HS200304FI13	FORRESTER IS	SEA	25-Feb-03	15:08	54.575	135.120	2712			10.4	12.1	1.24	
HS200304FI12	FORRESTER IS	SEA	25-Feb-03	16:49	54.606	134.860	2609			9.7	11.7	1.16	
HS200304FI11	FORRESTER IS	SEA	25-Feb-03	18:46	54.634	134.626	2368			10.2	13.2	1.19	
HS200304FI10	FORRESTER IS	SEA	25-Feb-03	20:30	54.655	134.359	2145			6.3	8.6	0.99	
HS200304FI09	FORRESTER IS	SEA	25-Feb-03	22:07	54.674	134.160	980			10.6	12.9	1.21	
HS200304FI08	FORRESTER IS	SEA	25-Feb-03	23:24	54.690	134.037	212			10.6	12.4	1.22	
HS200304ISEA01	CHATHAM ST	ISEA	26-Feb-03	15:01	56.267	134.505	668			22.2	39.7	1.84	
HS200304ISEA02	CHATHAM ST	ISEA	26-Feb-03	16:49	56.413	134.501	710			18.3	31.1	1.63	
HS200304ISEA03	CHATHAM ST	ISEA	26-Feb-03	18:24	56.546	134.509	652			20	34.3	1.71	
HS200304ISEA04	CHATHAM ST	ISEA	26-Feb-03	20:17	56.682	134.511	700			22.6	40.3	1.88	

Table 4. Zooplankton data from bongo tows collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Station ID	Station Name	Region	Latitude (°N)	Longitude (°W)	Date	Time	Target Depth (m)	Tow Duration	Wire Angle (°)	Volume Sieved (cu m)	Plankton Weights by Size Faction (g dry / 1000 cu m)				
											8.0mm	1.7mm	1.0mm	0.25mm	Total
HS200304IVI01	TREVOR CH	IVI	48.836	125.163	14-Feb-03	14:02	40	00:04	0	11	0	0	8.95	14.32	23.26
HS200304IVI02	TREVOR CH	IVI	48.891	125.082	14-Feb-03	15:25	130	00:08	0	44	0	13.54	21.67	11.29	46.5
HS200304IVI03	TREVOR CH	IVI	48.960	125.001	14-Feb-03	17:00	150	00:08	0	44	0.23	25.62	36.06	9.3	71.21
HS200304IVI04	IMPERIAL EAGLE CH	IVI	48.871	125.254	14-Feb-03	19:07	75	00:08	0	47	13.21	4.05	2.98	4.47	24.71
HS200304EP01	ESTEVAN PT	VI	49.340	126.551	15-Feb-03	07:15	40	00:04	0	39	0	2.07	3.88	5.7	11.65
HS200304EP02	ESTEVAN PT	VI	49.318	126.637	15-Feb-03	09:22	60	00:08	0	47	1.49	6.37	5.94	6.79	20.59
HS200304EP03	ESTEVAN PT	VI	49.271	126.711	15-Feb-03	10:54	105	00:10	0	110					
HS200304EP04	ESTEVAN PT	VI	49.229	126.709	15-Feb-03	13:09	100	00:08	0	22	1.33	5.34	10.68	16.91	34.26
HS200304EP05	ESTEVAN PT	VI	49.201	126.825	15-Feb-03	15:01	130	00:09	0	85	0.24	2.54	2.91	4.24	9.93
HS200304EP06	ESTEVAN PT	VI	49.160	126.892	15-Feb-03	16:35	150	00:11	0	115	0	1.48	0.96	1.65	4.08
HS200304EP12	ESTEVAN PT	VI	48.495	128.191	16-Feb-03	07:16	150	00:15	0	111	0.27	2.25	1.62	2.7	6.84

Table 4. Zooplankton data from bongo tows collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Station ID	Station Name	Region	Latitude (°N)	Longitude (°W)	Date	Time	Target Depth (m)	Tow Duration	Wire Angle (°)	Volume Sieved (cu m)	Plankton Weights by Size Faction (g dry / 1000 cu m)				
											8.0mm	1.7mm	1.0mm	0.25mm	Total
HS200304EP11	ESTEVAN PT	VI	48.731	127.625	16-Feb-03	10:45	150	00:10	0	92	0	0.65	0.87	1.3	2.81
HS200304EP10	ESTEVAN PT	VI	48.860	127.698	16-Feb-03	12:35	150	00:09	0	22	26.18	3.18	4.06	7.67	41.08
HS200304EP09	ESTEVAN PT	VI	48.897	127.432	16-Feb-03	14:13	150	00:09	0	105	0	0.95	0.29	1.24	2.48
HS200304EP08	ESTEVAN PT	VI	48.023	127.174	16-Feb-03	16:13	150	00:10	0	35	0	1.44	1.44	1.15	4.03
HS200304EP07	ESTEVAN PT	VI	49.128	126.982	16-Feb-03	18:05	150	00:09	0	31	0	3.83	2.24	4.47	10.54
HS200304IVI05	ESPERANZA INLET	IVI	49.893	126.791	17-Feb-03	13:28	140	00:07	0	54	0	9.25	1.85	3.7	14.8
HS200304IVI06	ESPERANZA INLET	IVI	49.884	126.926	17-Feb-03	14:59	150	00:05	0	120	0	8.59	6.51	7.34	22.44
HS200304IVI07	ESPERANZA INLET	IVI	49.779	127.110	17-Feb-03	17:40	30	00:01	0	12	0	16.4	18.04	13.12	47.57
HS200304VI01	OFF_KYUQUOT	VI	49.908	127.576	18-Feb-03	07:33	50	00:04	0	30	0	0.98	2.95	7.87	11.81
HS200304VI02	OFF_KYUQUOT	VI	49.924	127.440	18-Feb-03	09:09	50	00:04	0	29	0	9.35	6.89	14.76	31
HS200304VI08	KYUQUOT CH	VI	49.935	127.311	18-Feb-03	10:29	50	00:03	0	11	0	11.83	7.16	24.16	42.95

Table 4. Zooplankton data from bongo tows collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Station ID	Station Name	Region	Latitude (°N)	Longitude (°W)	Date	Time	Target Depth (m)	Tow Duration	Wire Angle (°)	Volume Sieved (cu m)	Plankton Weights by Size Faction (g dry / 1000 cu m)				
											8.0mm	1.7mm	1.0mm	0.25mm	Total
HS200304IVI09	KYUQUOT CH	IVI	49.973	127.267	18-Feb-03	12:15	120	00:07	0	58	0	8	4.17	8.52	20.69
HS200304IVI10	KYUQUOT CH	IVI	50.006	127.180	18-Feb-03	13:39	140	00:07	0	67	0	3.58	4.18	7.31	15.06
HS200304IVI11	KYUQUOT CH	IVI	50.051	127.251	18-Feb-03	15:04	150	00:05	0	46	0	33.9	16.18	18.37	68.45
HS200304IVI12	KYUQUOT CH	IVI	50.088	127.159	18-Feb-03	16:35	145	00:05	0	75	0	19.39	24.6	28.48	72.48
HS200304IVI13	QUATSINO SD	IVI	50.520	127.676	19-Feb-03	07:13	135	00:07	35	63	3.8	19.3	6.8	9.02	38.92
HS200304IVI14	QUATSINO SD	IVI	50.505	127.720	19-Feb-03	08:31	35	00:03	0	59	0	0.8	0.4	1.59	2.79
HS200304IVI15	QUATSINO SD	IVI	50.479	127.799	19-Feb-03	09:36	120	00:05	0	111	0	4.87	2.25	2.16	9.28
HS200304IVI16	QUATSINO SD	IVI	50.471	127.898	19-Feb-03	10:52	150	00:09	0	116	0	5.98	3.8	4.32	14.07
HS200304VI03	OFF QUATSINO	VI	50.413	128.002	19-Feb-03	13:18	150	00:09	0	21	0	7.57	43.06	27.92	78.54
HS200304VI04	OFF QUATSINO	VI	50.390	128.162	19-Feb-03	14:55	90	00:05	0	46	0	2.7	5.84	6.74	15.28
HS200304VI05	OFF QUATSINO	VI	50.389	128.259	19-Feb-03	16:16	150	00:08	0	91	0	3.17	3.83	5.36	12.36

Table 4. Zooplankton data from bongo tows collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Station ID	Station Name	Region	Latitude (°N)	Longitude (°W)	Date	Time	Target Depth (m)	Tow Duration	Wire Angle (°)	Volume Sieved (cu m)	Plankton Weights by Size Faction (g dry / 1000 cu m)				
											8.0mm	1.7mm	1.0mm	0.25mm	Total
HS200304T01	TRIANGLE IS	QCSD	51.254	128.225	20-Feb-03	09:37	25	00:03	0	14	0	0.73	5.14	5.14	11.02
HS200304T02	TRIANGLE IS	QCSD	51.208	128.345	20-Feb-03	11:19	130	00:09	0	55	0	0.18	0.54	1.98	2.7
HS200304T03	TRIANGLE IS	QCSD	51.126	128.479	20-Feb-03	13:16	150	00:08	45	74	4.57	0	1.48	2.29	8.34
HS200304T04	TRIANGLE IS	QCSD	51.126	128.479	20-Feb-03	15:43	55	00:03	0	20	0	1.03	4.1	8.71	13.84
HS200304T05	TRIANGLE IS	QCSD	50.914	128.950	20-Feb-03	17:40	50	00:04	0	32	0	0	1.56	9.03	10.59
HS200304T12	TRIANGLE IS	VI	50.337	130.230	21-Feb-03	07:21	150	00:10	0	53	0	0.38	0.76	4.54	5.68
HS200304T11	TRIANGLE IS	VI	50.431	130.019	21-Feb-03	09:41	150	00:09	0	76	0	0.4	1.45	2.37	4.22
HS200304T10	TRIANGLE IS	VI	50.505	129.862	21-Feb-03	11:26	150	00:08	0	71	0	0.28	2.13	1.56	3.97
HS200304T09	TRIANGLE IS	VI	50.585	129.726	21-Feb-03	13:04	150	00:11	0	72	0	0.28	3.35	2.23	5.85
HS200304T08	TRIANGLE IS	VI	50.659	129.532	21-Feb-03	14:53	150	00:08	0	70	0	0.85	1.85	2.99	5.69
HS200304T07	TRIANGLE IS	VI	50.736	129.369	21-Feb-03	16:35	150	00:07	0	126	0.48	0.48	0.72	1.67	3.34

Table 4. Zooplankton data from bongo tows collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Station ID	Station Name	Region	Latitude (°N)	Longitude (°W)	Date	Time	Target Depth (m)	Tow Duration	Wire Angle (°)	Volume Sieved (cu m)	Plankton Weights by Size Faction (g dry / 1000 cu m)				
											8.0mm	1.7mm	1.0mm	0.25mm	Total
HS200304T06	TRIANGLE IS	QCSD	50.825	129.188	21-Feb-03	19:06	70	00:04	0	26	0	9.46	12.49	9.46	31.42
HS200304HS01	HECATE ST	HS	52.489	129.799	22-Feb-03	07:26	150	00:09	0	73	0	1.79	0.14	1.79	3.72
HS200304HS02	HECATE ST	HS	52.558	129.956	22-Feb-03	09:07	150	00:08	0	46	0	0.22	0.43	2.59	3.24
HS200304HS03	HECATE ST	HS	52.622	130.137	22-Feb-03	10:49	150	00:07	0	42	0	0.71	0.47	2.13	3.31
HS200304HS04	HECATE ST	HS	52.680	130.315	22-Feb-03	12:37	150	00:07	0	56	0	1.24	1.42	1.77	4.43
HS200304HS05	HECATE ST	HS	52.732	130.465	22-Feb-03	14:05	120	00:05	0	28	0	1.42	1.42	3.19	6.02
HS200304HS06	HECATE ST	HS	52.781	130.602	22-Feb-03	15:28	110	00:06	0	7	0	0	6.15	30.76	36.91
HS200304HS07	HECATE ST	HS	52.839	130.621	22-Feb-03	17:42	90	00:04	0	31	0	0.33	1.3	8.15	9.78
HS200304DE01	McINTYRE BAY	DE	54.177	131.792	23-Feb-03	07:15	45	00:03	0	16	0	0	0.64	4.47	5.11
HS200304DE02	McINTYRE BAY	DE	54.168	131.993	23-Feb-03	08:45	50	00:04	0	30	0	0.33	1.31	5.25	6.89
HS200304DE03	WIAH PT - 5 NM NE	DE	54.174	132.156	23-Feb-03	10:13	45	00:03	0	17	0	0.59	2.37	8.89	11.86

Table 4. Zooplankton data from bongo tows collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Station ID	Station Name	Region	Latitude (°N)	Longitude (°W)	Date	Time	Target Depth (m)	Tow Duration	Wire Angle (°)	Volume Sieved (cu m)	Plankton Weights by Size Faction (g dry / 1000 cu m)				
											8.0mm	1.7mm	1.0mm	0.25mm	Total
HS200304DE04	WIAH PT	DE	54.144	132.272	23-Feb-03	11:17	50	00:04	0	24	0	0.82	3.69	6.97	11.48
HS200304DE05	KLASHWUN PT	DE	54.157	132.499	23-Feb-03	13:12	40	00:02	0	16	0	1.28	0	8.31	9.59
HS200304DE06	LANGARA IS	DE	54.214	132.600	23-Feb-03	14:25	115	00:06	0	39	0	1.29	3.88	5.18	10.36
HS200304DE07	LANGARA IS	DE	54.281	132.668	23-Feb-03	15:45	150	00:07	0	75	0	1.2	0.53	1.6	3.32
HS200304FI01	FORRESTER IS	SEA	54.811	133.064	24-Feb-03	07:14	145	00:09	0	44	0	5.67	1.13	2.72	9.52
HS200304FI02	FORRESTER IS	SEA	54.792	133.178	24-Feb-03	09:02	150	00:09	0	41	0	1.72	0.25	1.23	3.2
HS200304FI03	FORRESTER IS	SEA	54.780	133.294	24-Feb-03	10:34	130	00:07	0	51	0	2.15	0.2	2.73	5.08
HS200304FI04	FORRESTER IS	SEA	54.760	133.476	24-Feb-03	12:16	110	00:08	0	44	0	2.04	0.45	3.4	5.9
HS200304FI05	FORRESTER IS	SEA	54.744	133.580	24-Feb-03	14:23	150	00:13	0	72	0	1.95	0.14	1.95	4.04
HS200304FI06	FORRESTER IS	SEA	54.729	133.712	24-Feb-03	16:20	150	00:09	0	55	0	1.09	0.55	2.19	3.83
HS200304FI07	FORRESTER IS	SEA	54.716	133.833	24-Feb-03	18:03	150	00:10	45	84	0	1.3	0.95	4.15	6.4

Table 4. Zooplankton data from bongo tows collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

Station ID	Station Name	Region	Latitude (°N)	Longitude (°W)	Date	Time	Target Depth (m)	Tow Duration	Wire Angle (°)	Volume Sieved (cu m)	Plankton Weights by Size Faction (g dry / 1000 cu m)				
											8.0mm	1.7mm	1.0mm	0.25mm	Total
HS200304FI13	FORRESTER IS	SEA	54.581	135.120	25-Feb-03	07:18	150	00:09	45	67	2.97	2.08	1.49	4.91	11.45
HS200304FI12	FORRESTER IS	SEA	54.609	134.866	25-Feb-03	09:22	150	00:08	0	53	2.07	2.44	0.94	4.32	9.77
HS200304FI11	FORRESTER IS	SEA	54.632	134.627	25-Feb-03	11:00	150	00:09	0	71	23.06	1.69	0.64	5.2	30.79
HS200304FI10	FORRESTER IS	SEA	54.657	134.366	25-Feb-03	12:42	150	00:08	0	65	8.3	0.15	3.23	3.84	15.53
HS200304FI09	FORRESTER IS	SEA	54.682	134.168	25-Feb-03	14:13	150	00:09	0	88	0	1.48	0.57	1.83	3.88
HS200304FI08	FORRESTER IS	SEA	54.699	134.040	25-Feb-03	15:38	150	00:07	0	52	0	1.55	3.29	4.46	9.3
HS200304ISEA01	CHATHAM ST	ISEA	56.268	134.509	26-Feb-03	07:16	150	00:09	0	19	10.99	6.81	5.23	6.81	29.84
HS200304ISEA02	CHATHAM ST	ISEA	56.415	134.505	26-Feb-03	09:02	150	00:08	0	43	0	0.46	0.69	2.3	3.45
HS200304ISEA03	CHATHAM ST	ISEA	56.549	134.511	26-Feb-03	10:39	150	00:07	0	73	0	1.79	1.93	4.27	7.99
HS200304ISEA04	CHATHAM ST	ISEA	56.681	134.511	26-Feb-03	12:29	150	00:07	0	47	0	1.27	0.84	3.59	5.7

Table 5. Coded Wire Tag (CWT) data collected on the CCGS W.E. RICKER survey to the Gulf of Alaska, 14/02/2003 - 26/02/2003.

CWT	Fish Number	Species	Recovery Date	Recovery Region	Recovery Fork Length (mm)	Release Area	Release Agency	Hatchery	Brood Year	Date of First Release	Date of Last Release	Age
T184654	HS200304-DE01-124-001	CHINOOK	23-Feb-03	DE	286	COBC	CDFO	SNOOTLI CR	2001	15-May-02	15-May-02	0.1
T184751	HS200304-IVI08-124-002	CHINOOK	18-Feb-03	VI	254	WCVI	CDFO	CONUMA R	2001	15-May-02	15-May-02	0.1
T184758	HS200304-IVI04-124-007	CHINOOK	14-Feb-03	IVI	228	WCVI	CDFO	NITINAT R	2001	13-Jun-02	13-Jun-02	0.1
T185012	HS200304-IVI15-124-004	CHINOOK	19-Feb-03	IVI	227	WCVI	CDFO	ROBERTSON CR	2001	01-Jun-02	05-Jun-02	0.1

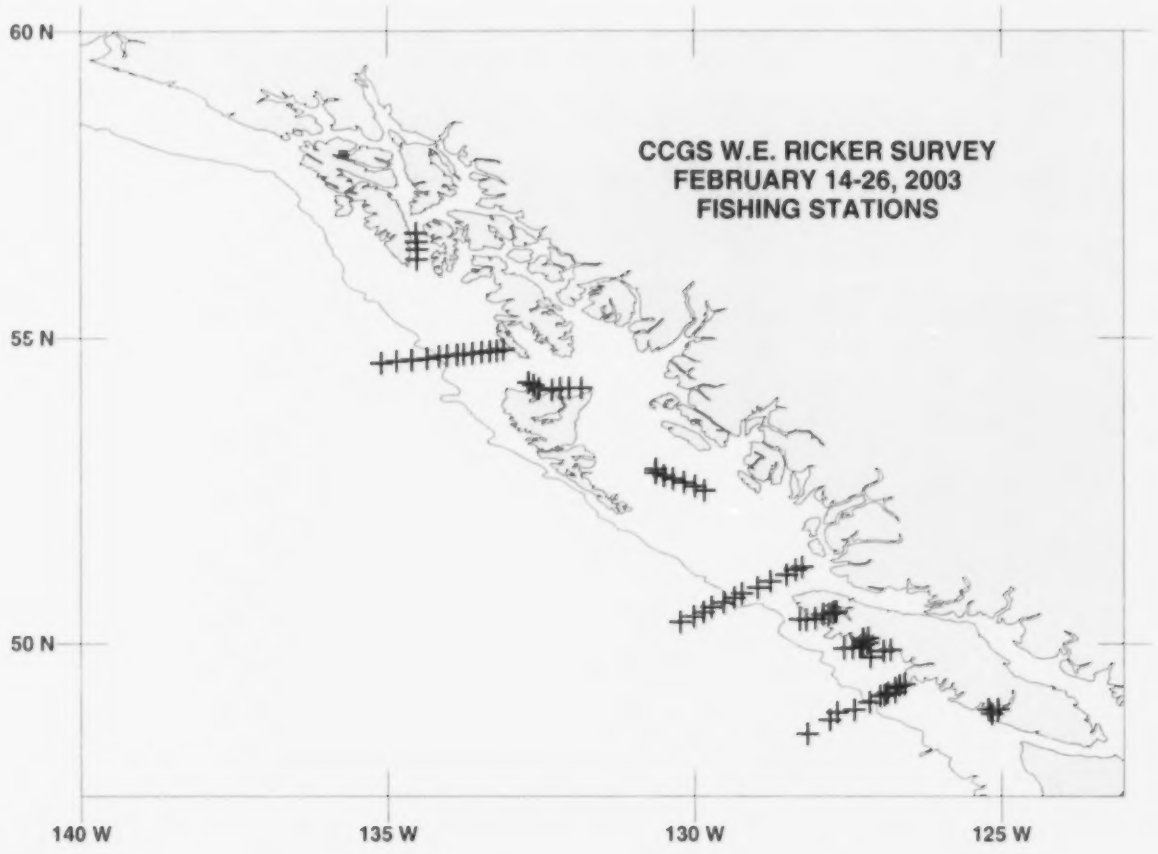

Figure 1. Fishing stations on the CCGS W.E. Ricker survey to the Gulf of Alaska from February 14-26, 2003.

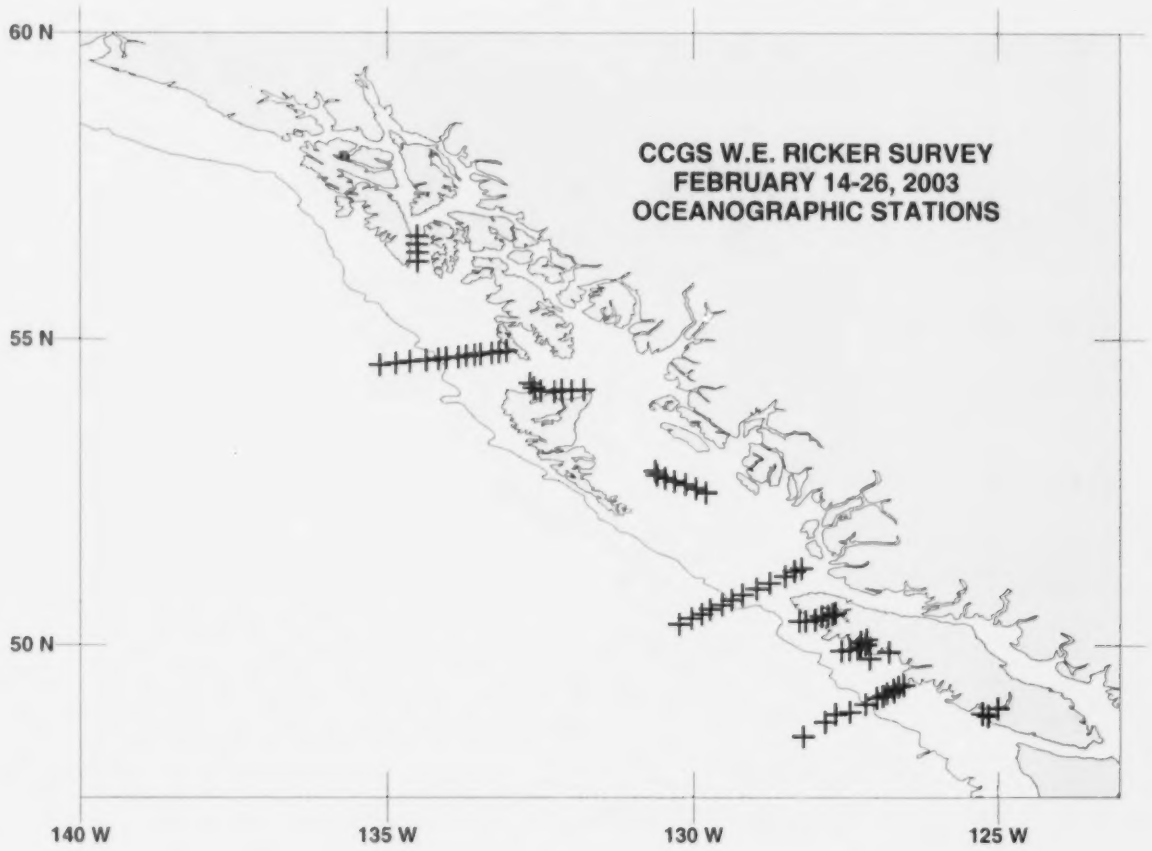

Figure 2. Oceanographic stations on the CCGS W.E. Ricker survey to the Gulf of Alaska from February 14-26, 2003.

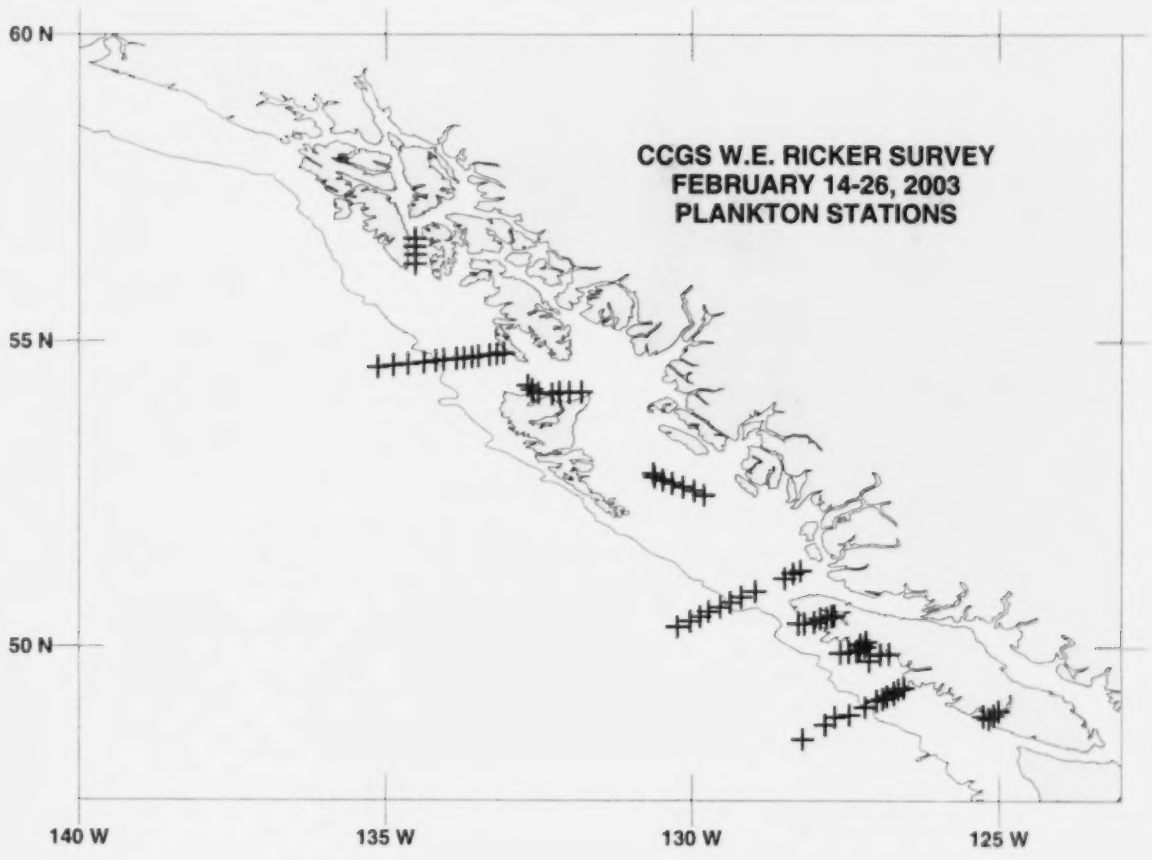

Figure 3. Plankton stations on the CCGS W.E. Ricker survey to the Gulf of Alaska from February 14-26, 2003.

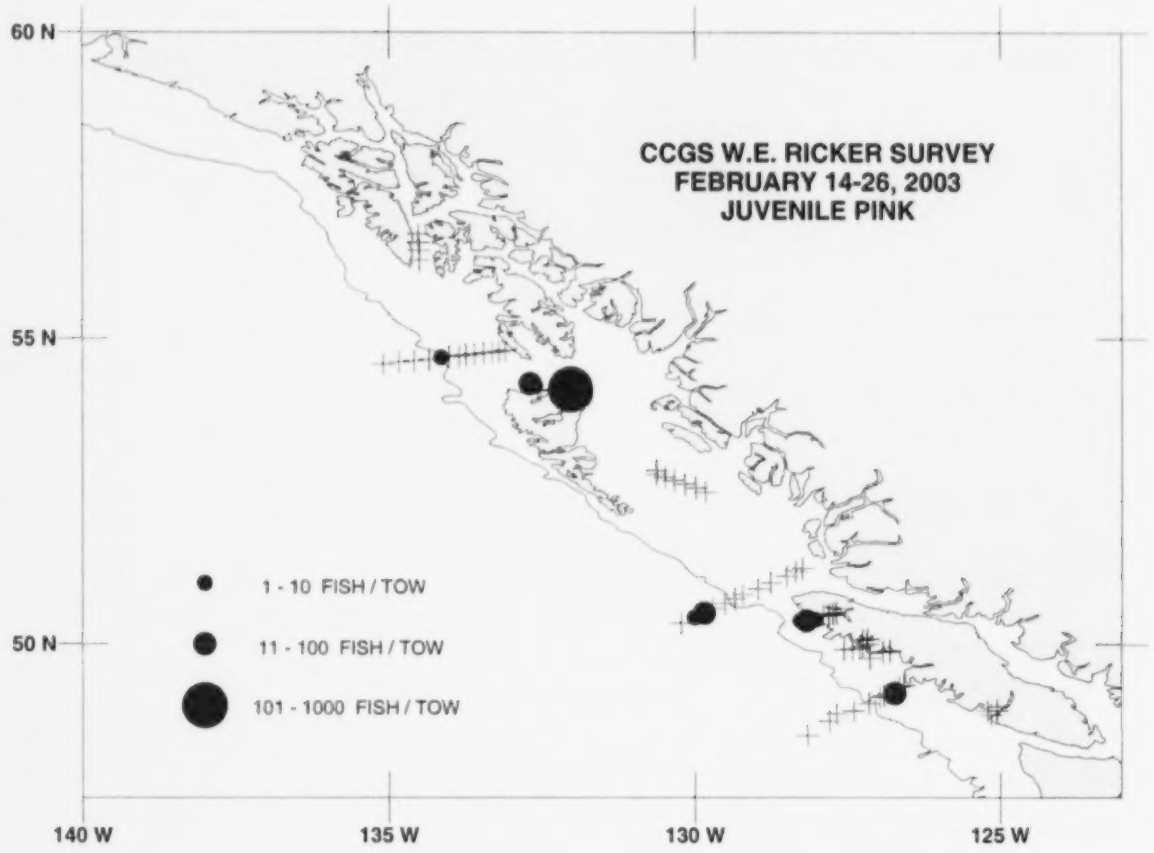

Figure 4. Distribution of juvenile (age 0.1) pink salmon catches. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

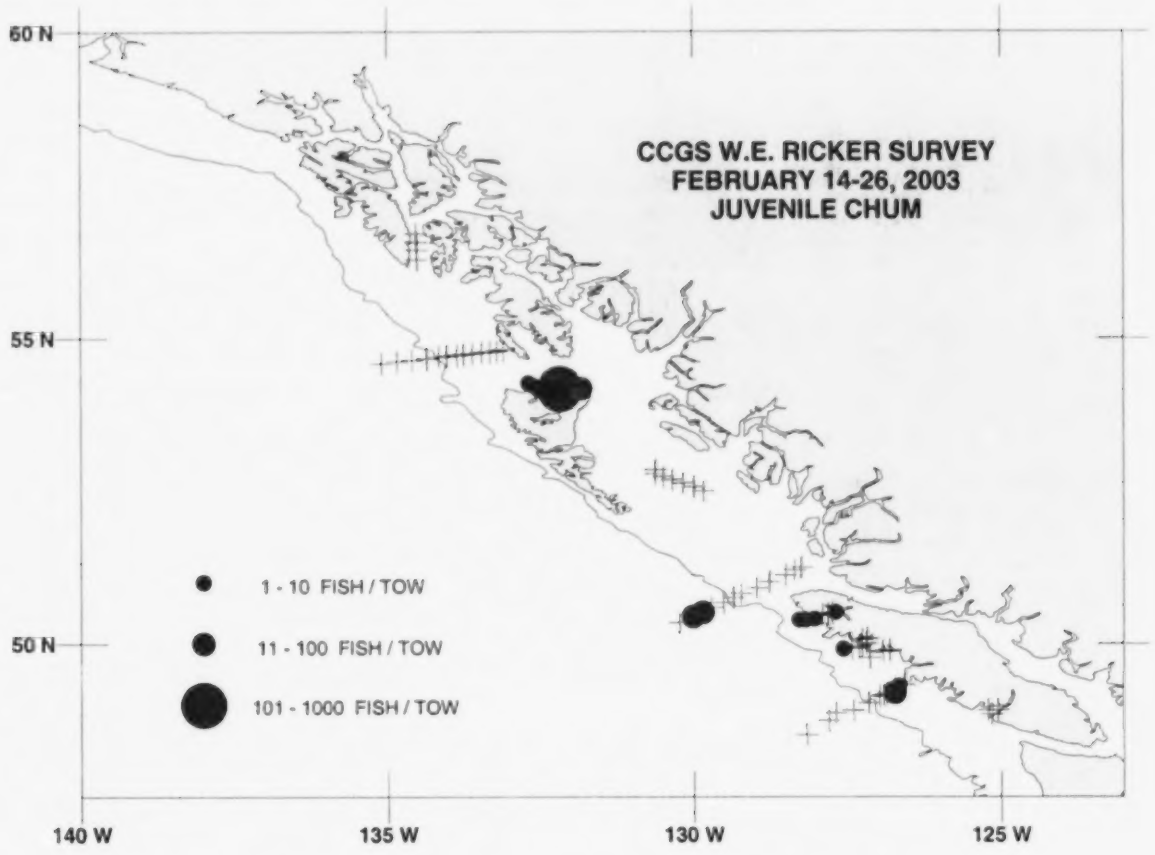

Figure 5. Distribution of juvenile (age 0.1) chum salmon catches. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

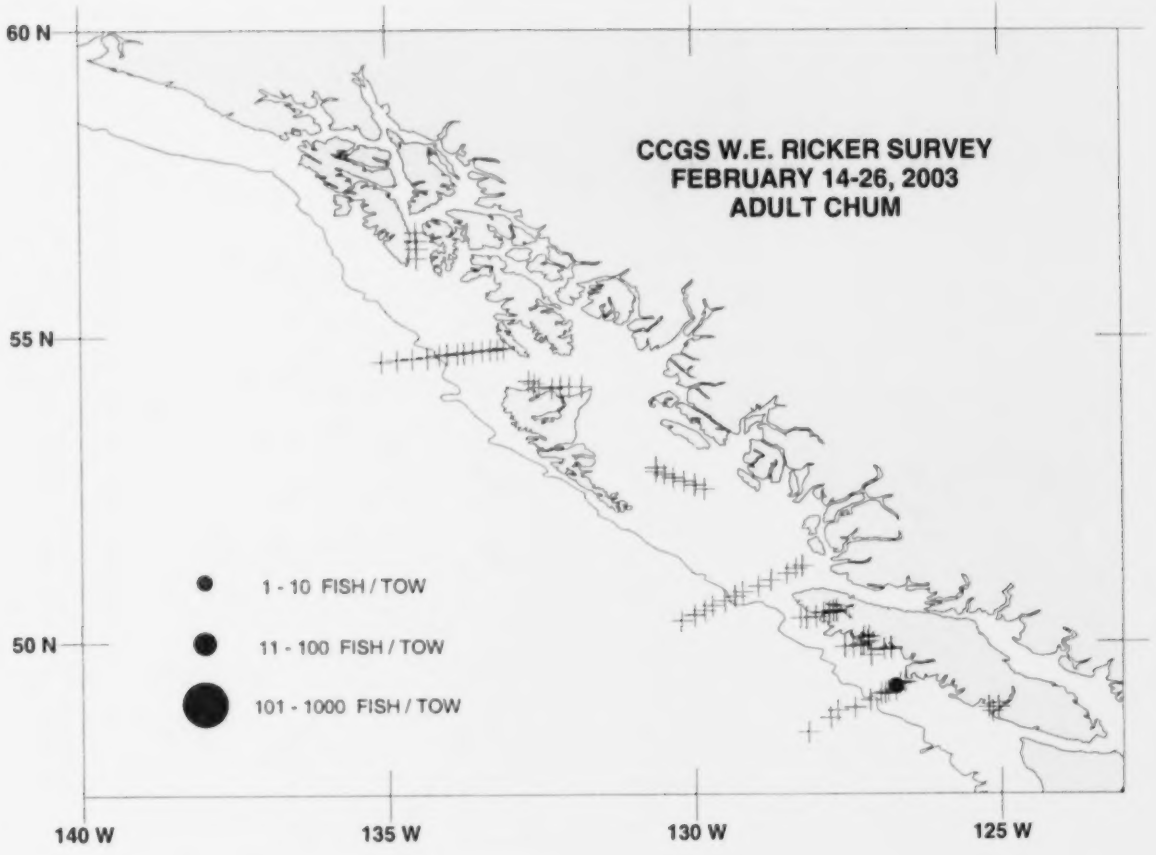

Figure 6. Distribution of adult (age 0.2 and over) chum salmon catches. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

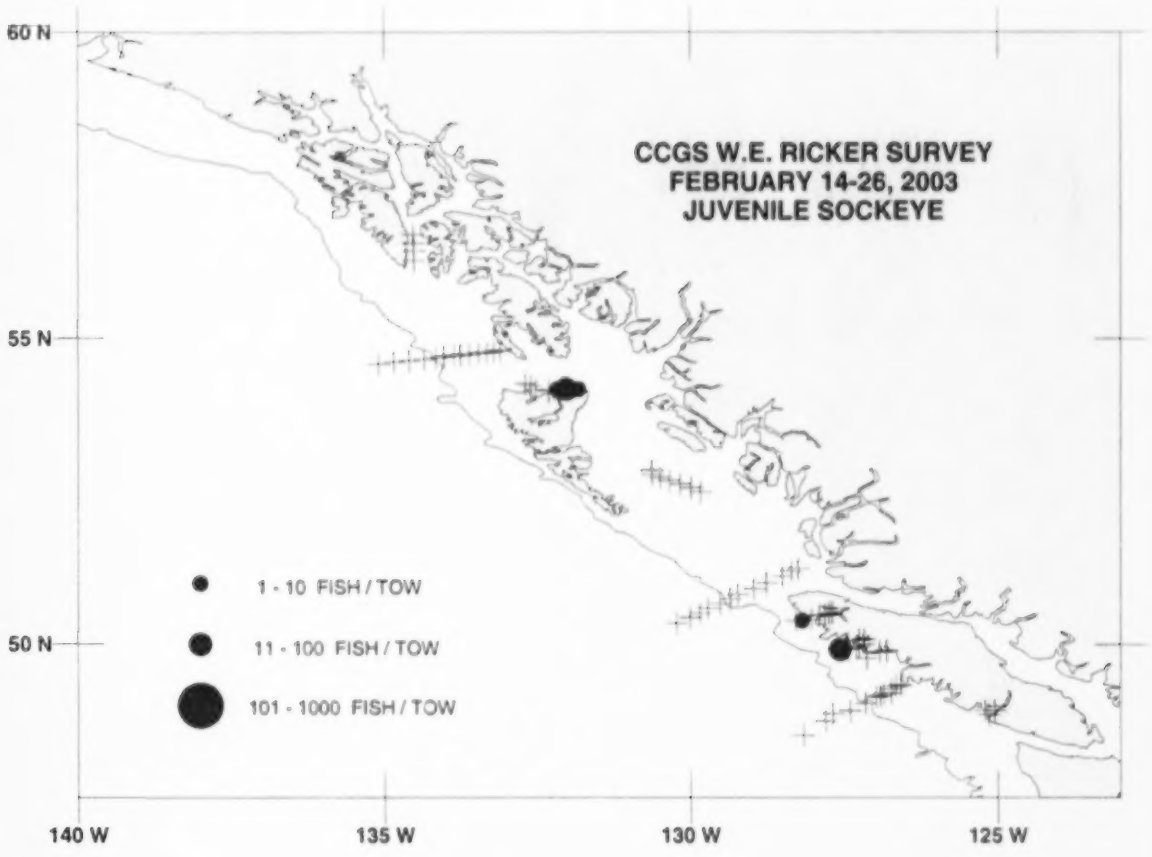

Figure 7. Distribution of juvenile (age X.1) sockeye salmon catches. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

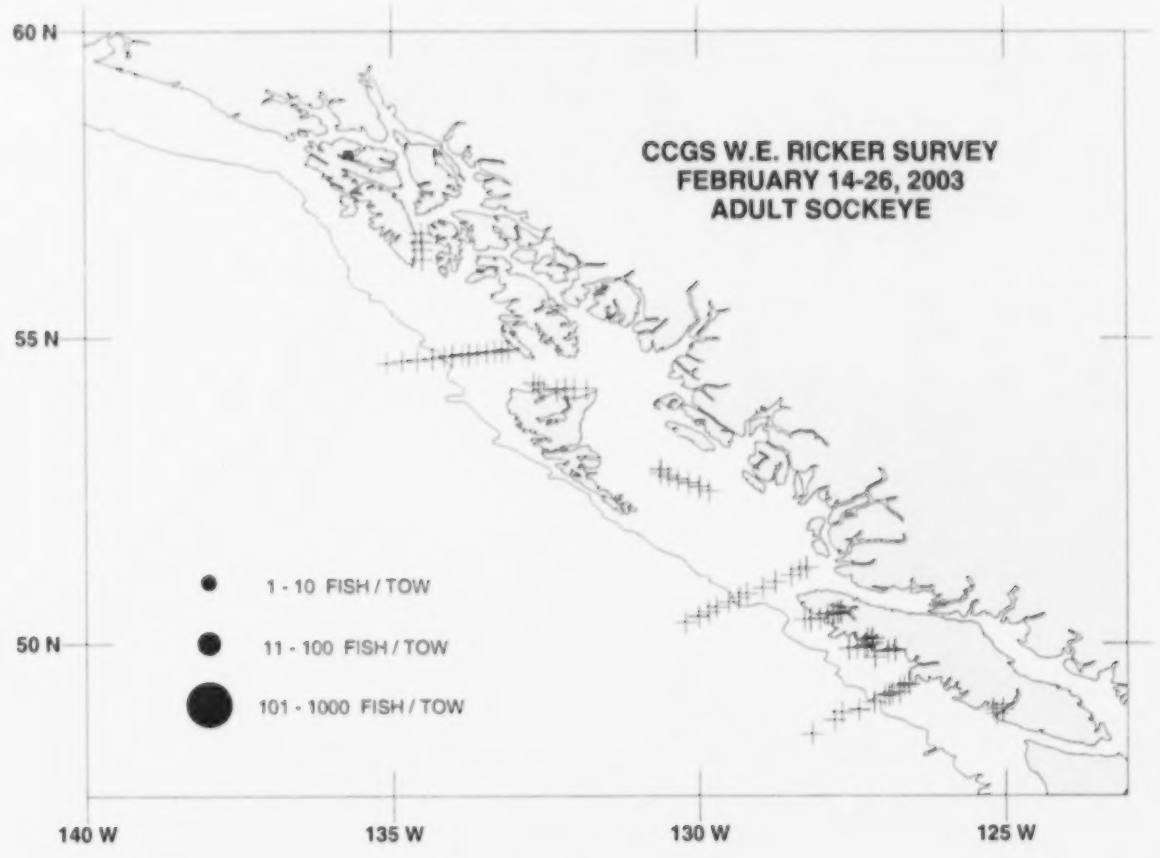

Figure 8. Distribution of adult (age X.2 and over) sockeye salmon catches. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

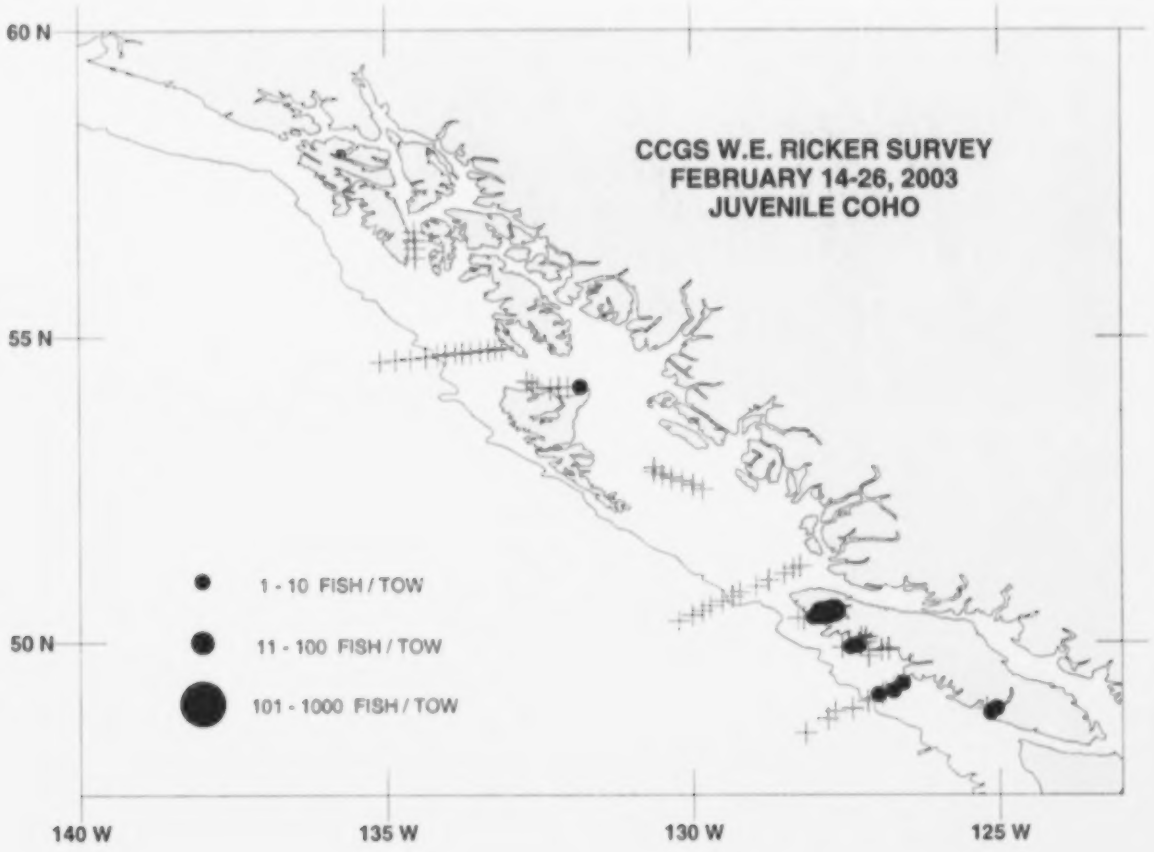

Figure 9. Distribution of juvenile (age X.1) coho salmon catches. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

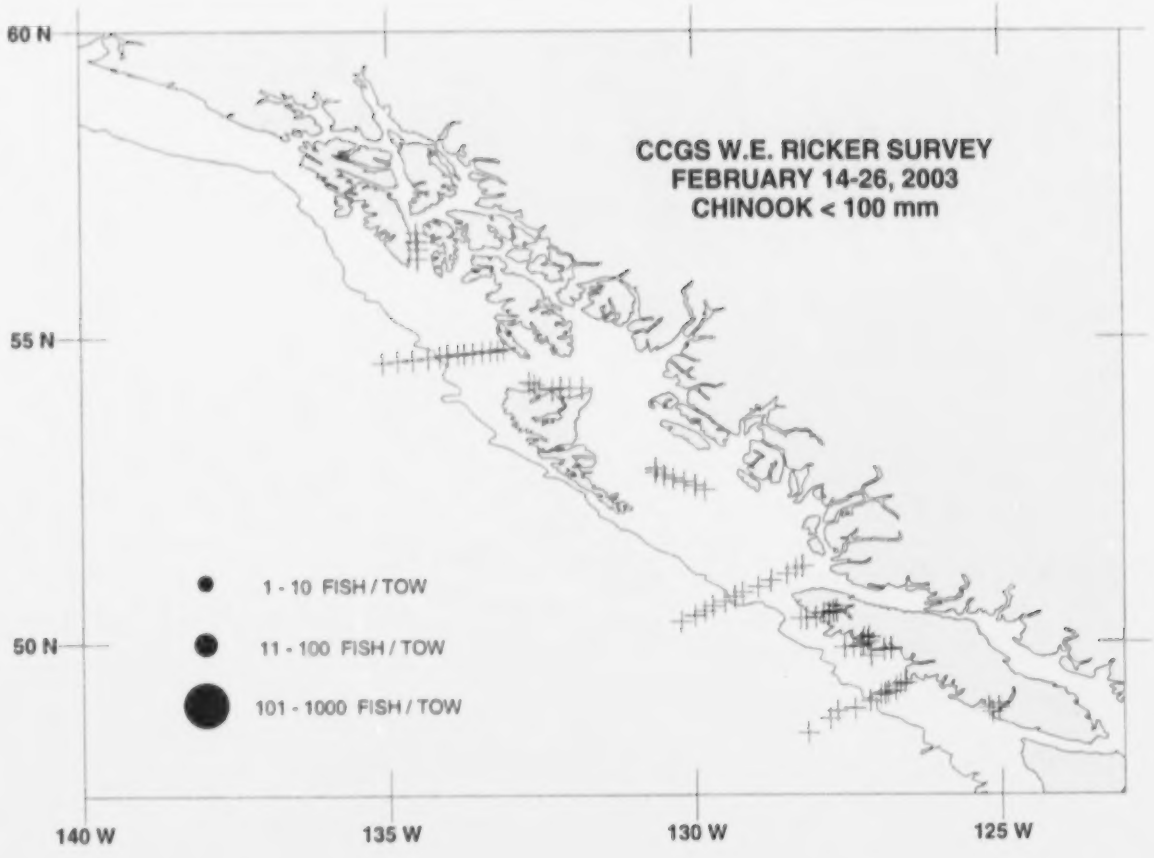

Figure 10. Distribution of catches of chinook salmon less 100mm. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

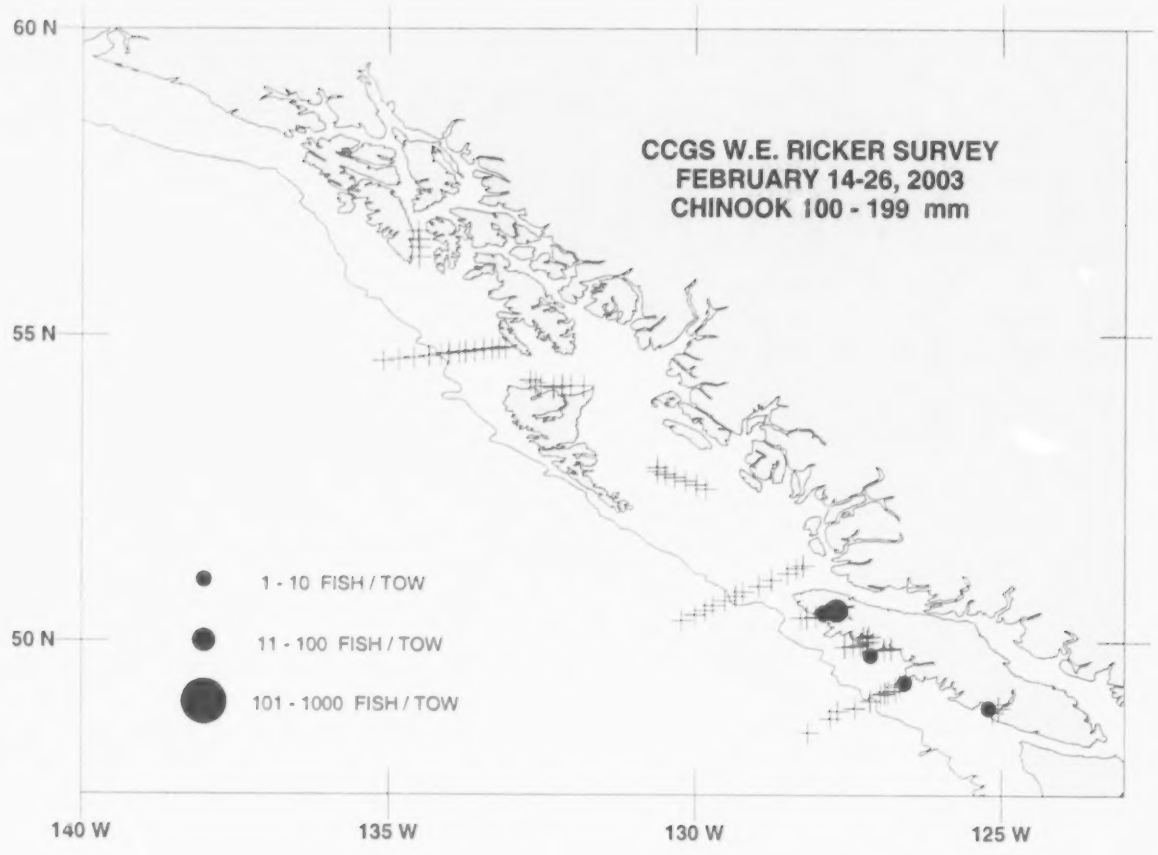

Figure 11. Distribution of catches of chinook salmon from 100 to199 mm. Symbol size (●) is proportional to catch per tow; zero catches are shown by a (+).

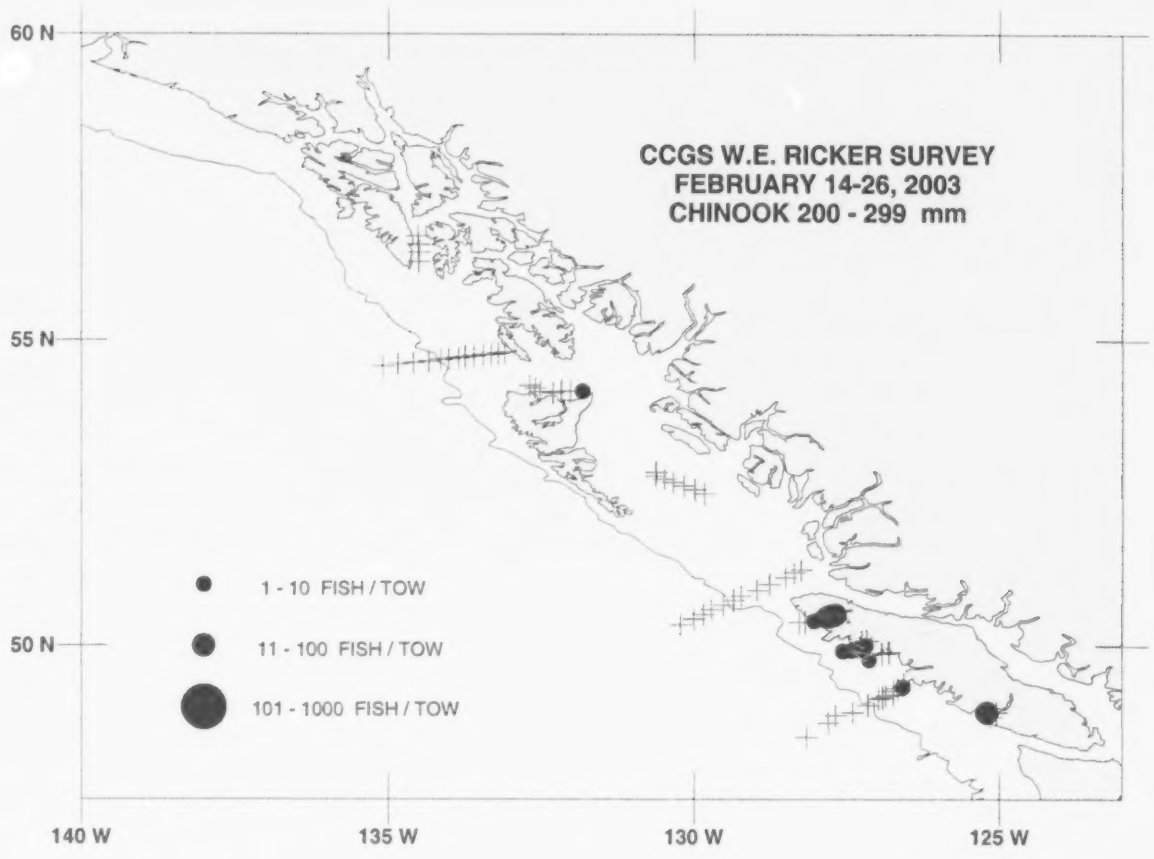

Figure 12. Distribution of catches of chinook salmon from 200 to 299mm. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

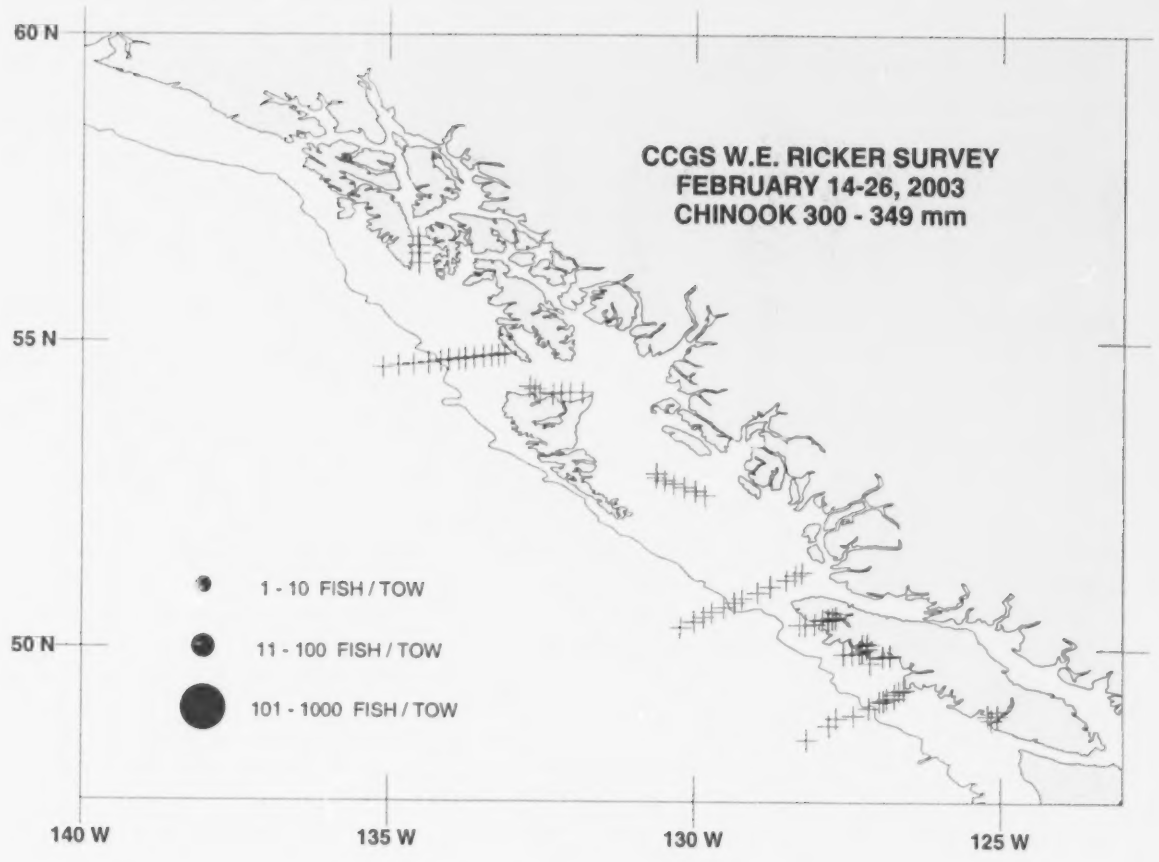

Figure 13. Distribution of catches of chinook salmon from 300 to 349mm. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

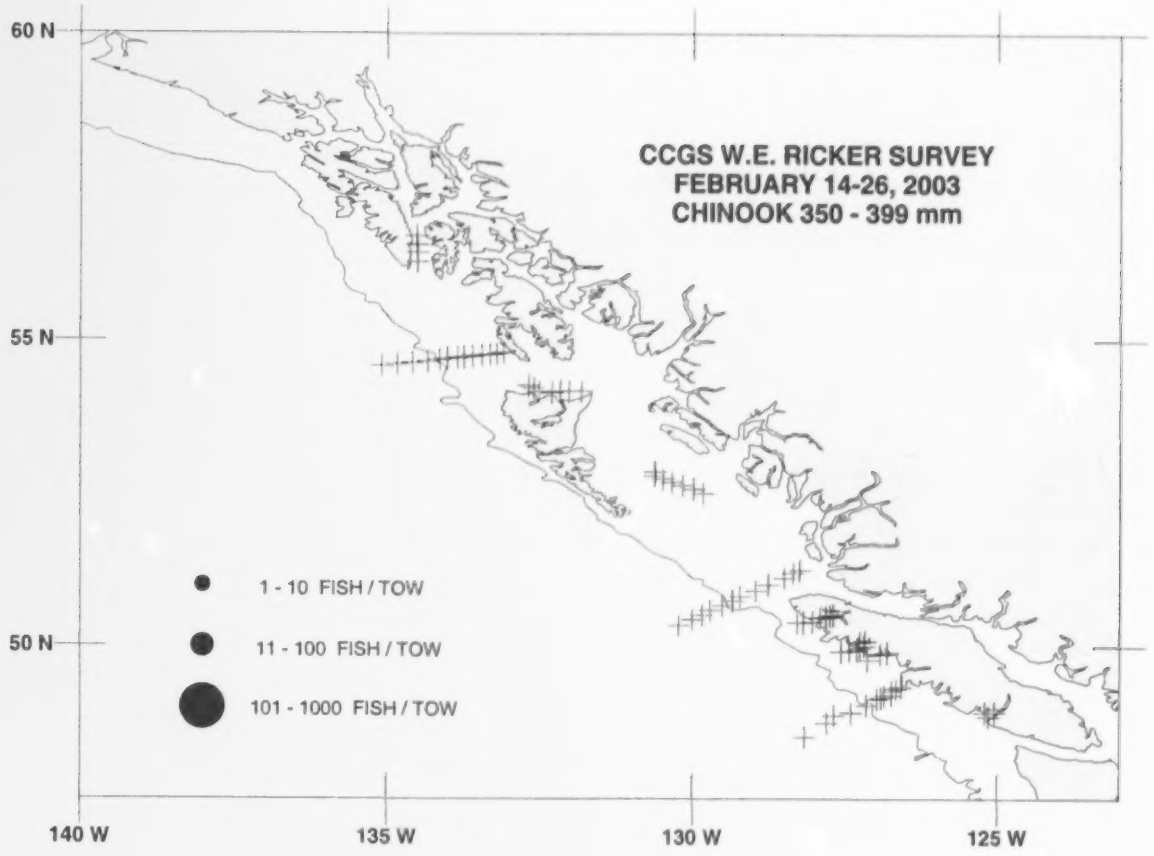

Figure 14. Distribution of catches of chinook salmon from 350 to 399mm. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

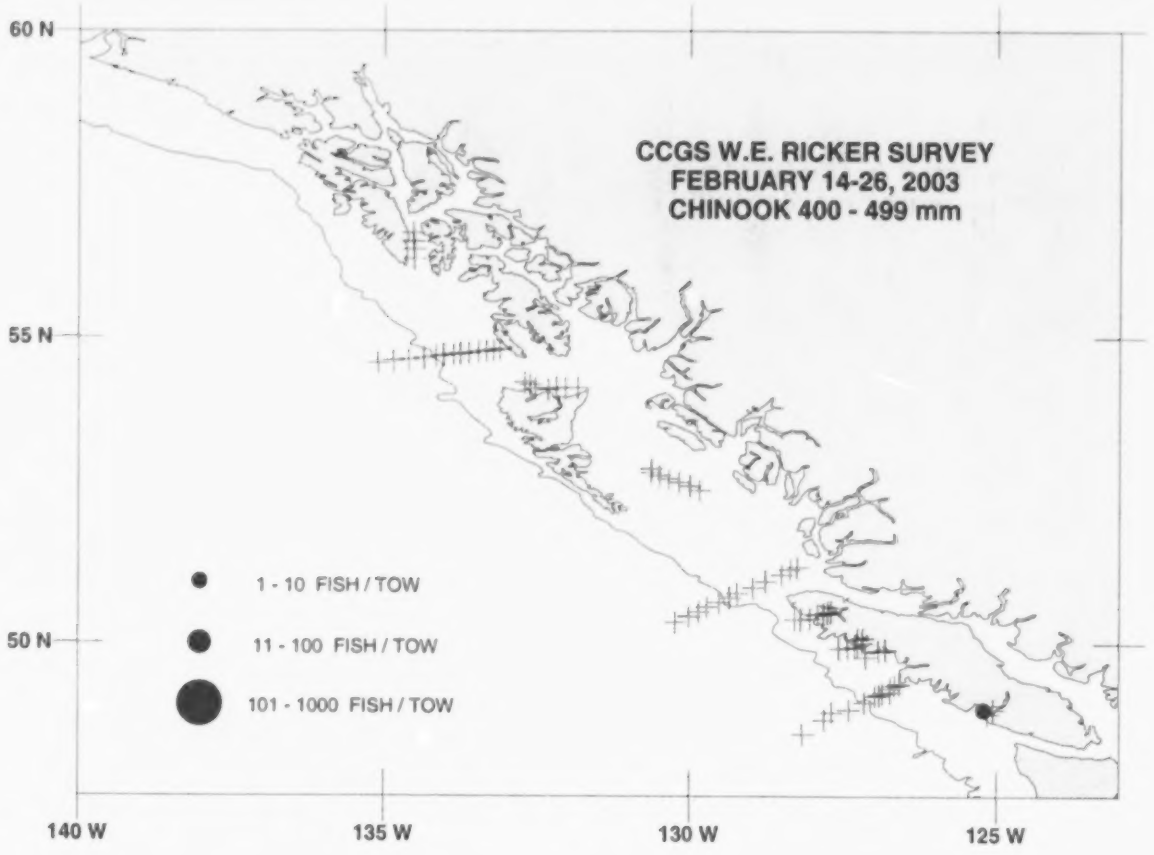

Figure 15. Distribution of catches of chinook salmon from from 400 to 499mm. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

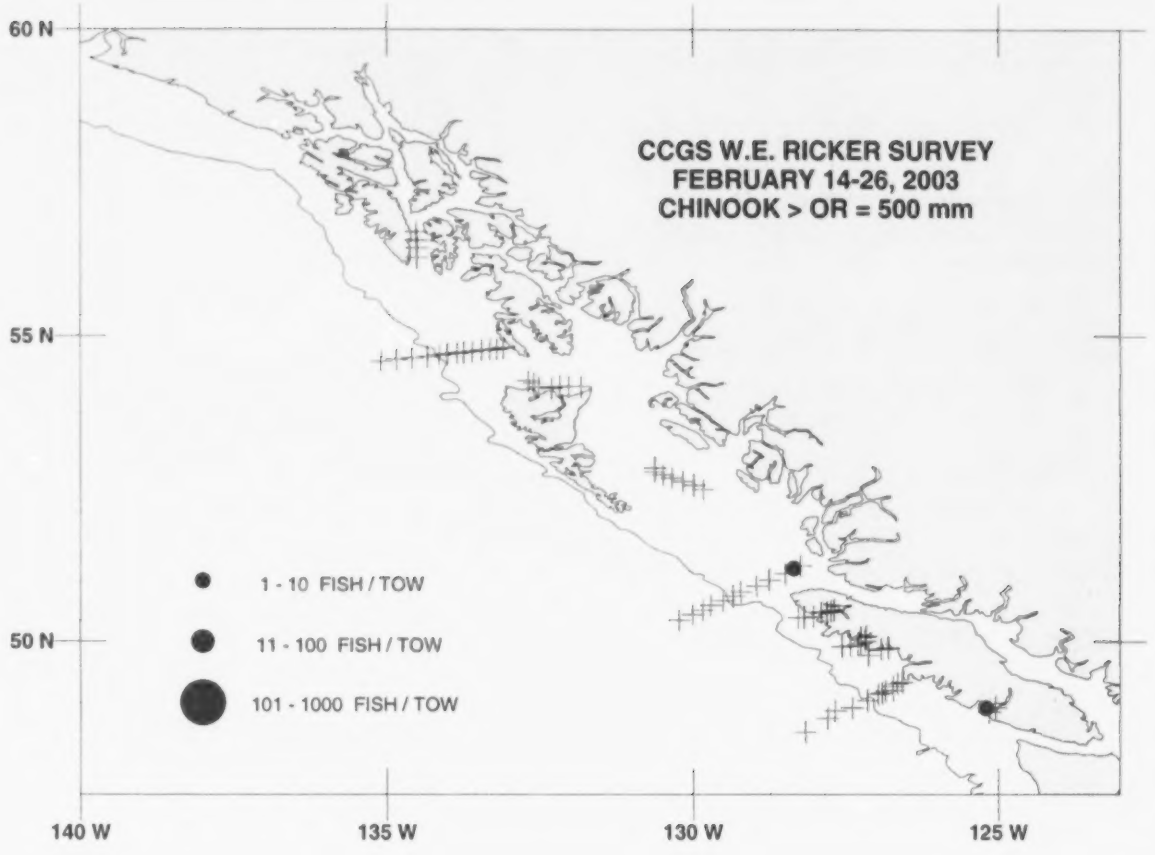

Figure 16. Distribution of catches of chinook salmon equal to or greater than 500mm. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

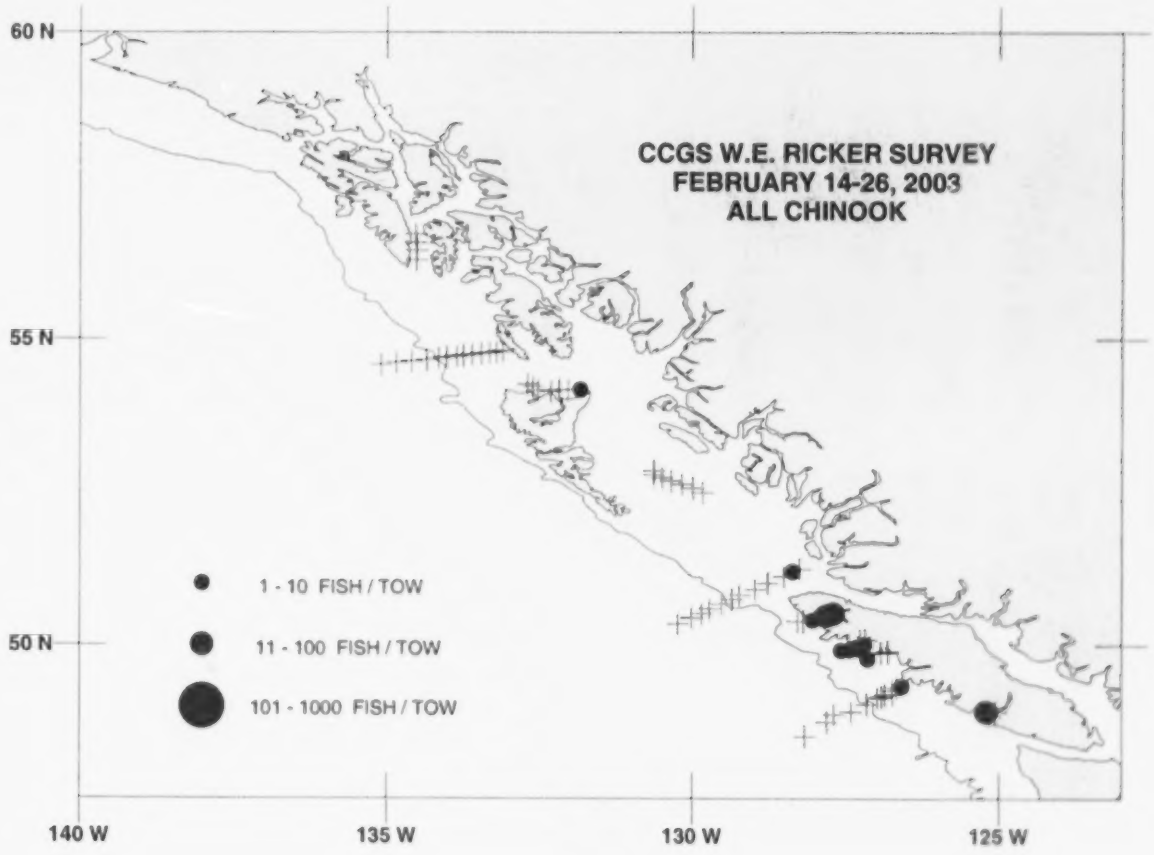

Figure 17. Distribution of catches of chinook salmon from all size classes. Symbol size (•) is proportional to catch per tow; zero catches are shown by a (+).

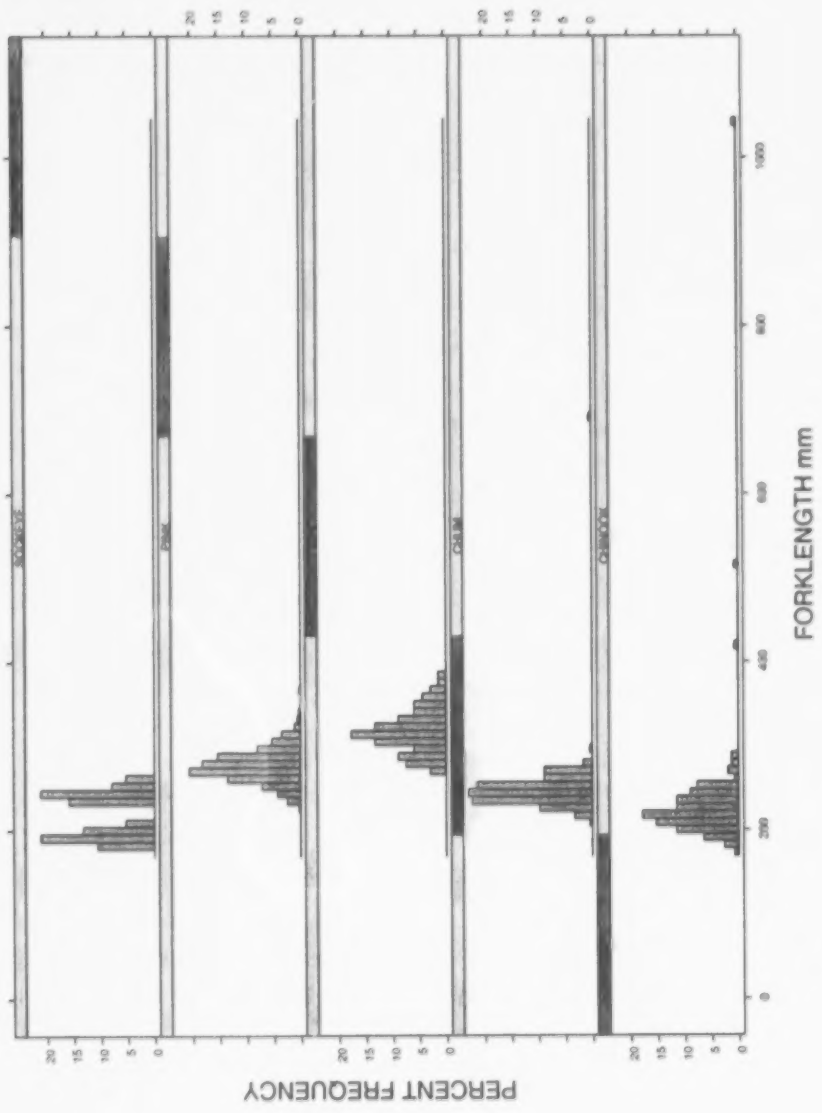

Figure 18. Size distribution (fork length; mm) of Pacific salmon caught on the CCGS W.E. Ricker survey to the Gulf of Alaska from February 14-26, 2003.

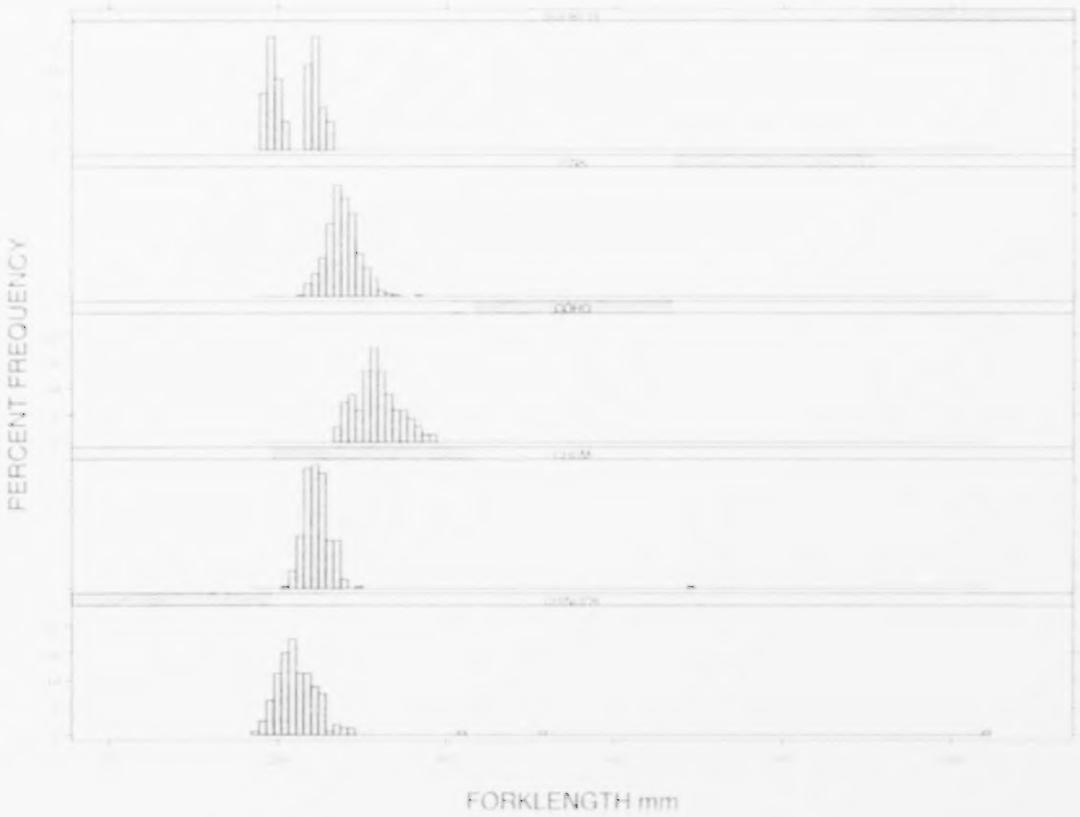

Figure 18. Size distribution (fork length; mm) of Pacific salmon caught on the CCGS W.E. Ricker survey to the Gulf of Alaska from February 14-26, 2003.